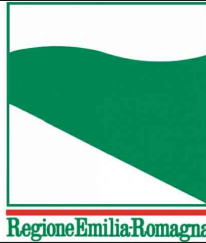




PROTEZIONE CIVILE
Presidenza del Consiglio dei Ministri
Dipartimento della Protezione Civile



CONFERENZA DELLE REGIONI E
DELLE PROVINCE AUTONOME

Attuazione dell'articolo 11 della legge 24 giugno 2009, n. 77

MICROZONAZIONE SISMICA

Prove penetrometriche con sismocono

Regione Emilia-Romagna
Comune di Soragna



<p>Regione Emilia-Romagna</p>	<p>Soggetto realizzatore</p>  <p>EN GEO S.r.l. ENGINEERING GEOLOGY www.engeo.it</p> <p><u>Direzione tecnica</u> Dott. Geol. Carlo Caleffi Dott. Geol. Francesco Cerutti</p> <p><u>Collaboratori</u> Dott. Geol. Matteo Baisi Dott.ssa Geol. Melinda Raimondo Dott. Lorenzo Dalle Luche</p>	<p>Data Ottobre 2022</p> <p>MS3</p>
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: SP12 - Chiesa cattolica Annunziata - Soragna (PR)
CPT N° SCPTU 1 PROF. FALDA (m da p.c.) n.r.
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0165/22 C. SITO N°: SF221117 del 08/11/22

sismocono G1 - CPL2IN
LAI. (WGS 84): 44.915226°
LONG. (WGS 84): 10.110627°



prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
0.02	1.64	9.84	1.20	0.58	2.02	0.53	60.01	35.31	1.90	4.02	0.67	50.06	25.23	2.34	6.02	1.05	52.20	23.34	1.23	8.02	0.57	45.85	31.32	1.81
0.04	1.80	21.65	1.20	1.09	2.04	0.73	48.23	35.41	2.16	4.04	0.67	48.37	25.53	1.94	6.04	1.02	53.19	24.24	2.16	8.04	0.59	44.76	31.32	2.20
0.06	2.01	22.52	0.90	1.55	2.06	0.80	53.76	35.21	1.92	4.06	0.65	47.07	27.33	1.93	6.06	0.95	57.98	24.34	2.10	8.06	0.58	43.84	31.32	1.95
0.08	1.91	33.21	1.30	1.66	2.08	1.03	52.13	34.91	1.97	4.08	0.66	46.95	28.73	2.07	6.08	1.08	61.34	26.33	1.77	8.08	0.57	43.55	31.32	2.07
0.10	1.81	41.87	1.80	1.60	2.10	1.15	49.96	35.01	2.08	4.10	0.65	46.30	42.49	1.99	6.10	1.16	60.19	28.13	2.01	8.10	0.60	42.62	31.32	1.86
0.12	1.83	50.96	2.19	1.92	2.12	1.01	47.66	35.01	1.92	4.12	0.70	46.18	52.66	1.87	6.12	1.16	59.10	27.33	1.96	8.12	0.63	43.45	31.62	2.15
0.14	1.94	52.75	2.19	1.86	2.14	1.47	56.70	33.91	1.89	4.14	0.74	45.70	52.46	2.00	6.14	1.17	59.64	26.23	1.94	8.14	0.63	44.03	31.62	1.87
0.16	3.50	62.94	0.60	1.85	2.16	1.88	61.23	33.71	2.04	4.16	0.75	46.53	46.78	2.04	6.16	1.10	63.00	25.43	2.10	8.16	0.67	42.91	31.92	1.93
0.18	2.51	56.27	5.98	1.83	2.18	1.25	78.98	35.71	2.03	4.18	0.78	46.63	39.10	2.01	6.18	1.04	66.67	28.23	2.07	8.18	0.66	42.27	31.82	2.11
0.20	2.78	62.43	5.49	1.41	2.20	1.27	90.00	35.51	1.89	4.20	0.76	47.23	31.32	2.06	6.20	1.04	65.01	29.12	1.94	8.20	0.66	42.30	31.72	1.99
0.22	2.48	74.78	6.38	1.78	2.22	1.19	102.45	35.71	2.14	4.22	0.75	48.93	28.03	2.07	6.22	1.04	63.32	28.43	2.13	8.22	0.68	40.90	31.62	1.98
0.24	2.52	92.47	3.79	2.22	2.24	1.13	116.79	35.71	2.10	4.24	0.76	50.59	30.12	2.17	6.24	1.12	65.43	31.12	1.87	8.24	0.68	40.87	31.42	2.13
0.26	4.07	114.50	2.20	1.14	2.26	1.16	126.95	35.71	1.92	4.26	0.73	53.88	35.21	1.75	6.26	1.19	70.38	31.92	1.90	8.26	0.71	41.48	31.62	1.97
0.28	7.53	102.40	0.20	1.18	2.28	1.18	131.83	35.81	2.03	4.28	0.73	55.12	35.41	1.96	6.28	1.13	72.90	30.92	2.09	8.28	0.72	47.29	32.91	1.97
0.30	9.91	85.86	5.69	1.22	2.30	1.24	140.62	36.61	1.91	4.30	0.71	55.70	35.61	1.95	6.30	1.11	71.46	30.32	2.00	8.30	1.52	48.82	38.20	2.03
0.32	11.82	79.32	8.68	0.90	2.32	1.16	130.76	36.21	1.87	4.32	0.74	55.03	36.70	2.08	6.32	1.08	71.46	29.92	1.94	8.32	1.73	54.70	38.30	1.74
0.34	14.02	72.61	6.78	0.80	2.34	1.14	130.98	36.41	2.12	4.34	0.74	55.22	37.50	2.10	6.34	1.05	73.09	31.42	2.34	8.34	1.38	58.53	35.71	2.23
0.36	11.34	51.47	4.00	0.88	2.36	1.75	131.94	36.11	2.06	4.36	0.76	54.04	38.10	2.01	6.36	1.02	74.43	31.72	1.68	8.36	1.09	57.98	38.60	2.02
0.38	11.02	82.02	2.69	0.78	2.38	1.83	126.84	36.70	1.96	4.38	0.75	52.89	35.91	2.03	6.38	1.03	72.80	31.42	2.18	8.38	1.11	51.95	53.76	1.84
0.40	13.07	61.13	5.69	0.78	2.40	1.75	125.44	36.61	2.14	4.40	0.78	52.41	36.11	2.08	6.40	1.07	74.37	31.72	1.82	8.40	1.16	52.08	55.06	2.30
0.42	9.29	43.48	4.09	0.80	2.42	3.60	127.33	32.62	1.81	4.42	0.79	54.52	36.11	1.82	6.42	1.10	73.41	31.92	2.00	8.42	1.20	53.74	54.56	1.96
0.44	8.68	44.98	4.10	0.78	2.44	5.09	110.80	33.61	1.91	4.44	0.79	55.45	36.61	2.03	6.44	1.15	71.59	31.92	2.04	8.44	1.23	57.41	54.86	1.89
0.46	5.41	138.62	4.89	0.87	2.46	5.71	90.69	34.31	1.96	4.46	0.78	55.99	37.00	2.01	6.46	1.15	68.05	31.72	2.09	8.46	1.28	62.17	55.06	1.98
0.48	5.20	194.84	2.89	0.92	2.48	6.34	91.75	34.21	2.11	4.48	0.75	56.92	38.40	2.17	6.48	1.08	66.48	31.02	2.09	8.48	1.28	65.14	56.25	2.00
0.50	4.62	240.09	2.19	0.63	2.50	1.51	133.54	41.89	1.92	4.50	0.75	58.48	40.50	2.05	6.50	1.02	66.52	30.32	2.03	8.50	1.32	67.76	57.25	1.90
0.52	4.54	204.25	3.49	0.90	2.52	1.42	132.68	41.69	2.25	4.52	0.74	59.54	37.74	1.96	6.52	0.93	70.09	29.62	1.91	8.52	1.39	75.52	59.65	2.12
0.54	4.80	165.76	0.80	1.08	2.54	1.46	136.87	40.59	2.07	4.54	0.75	60.66	35.91	1.91	6.54	0.88	73.63	29.82	1.99	8.54	1.44	78.10	60.44	2.08
0.56	4.72	134.08	2.19	1.39	2.56	1.31	144.08	40.89	2.04	4.56	0.76	60.15	34.89	2.01	6.56	0.87	75.71	29.92	2.00	8.56	1.49	81.20	59.65	2.03
0.58	4.43	146.43	1.20	1.47	2.58	1.31	149.35	40.50	2.01	4.58	0.80	59.92	35.21	1.87	6.58	0.83	76.16	29.82	1.97	8.58	1.50	85.70	58.65	1.77
0.60	3.90	151.63	2.19	1.45	2.60	0.99	136.23	40.20	1.72	4.60	0.80	59.29	31.99	2.24	6.60	0.80	74.50	29.72	2.05	8.60	1.48	91.51	58.85	2.21
0.62	3.53	127.75	2.69	1.51	2.62	1.39	136.38	31.22	2.18	4.62	0.78	57.34	34.04	2.11	6.62	0.78	71.72	29.52	2.01	8.62	1.48	99.33	60.34	1.90
0.64	3.24	114.43	3.19	1.50	2.64	1.59	107.23	27.43	2.00	4.64	0.78	56.99	31.69	1.79	6.64	0.75	68.08	29.32	2.05	8.64	1.52	102.46	57.55	1.86
0.66	3.20	103.25	5.49	1.67	2.66	1.52	104.95	26.23	1.90	4.66	0.75	56.58	31.23	1.94	6.66	0.72	64.06	29.12	2.06	8.66	1.55	108.59	57.35	2.21
0.68	3.25	95.84	5.59	2.18	2.68	1.39	108.08	24.14	2.26	4.68	0.65	52.91	30.36	2.14	6.68	0.69	61.18	29.02	2.01	8.68	1.54	111.63	57.25	3.40
0.70	2.68	106.60	7.88	2.07	2.70	1.25	108.27	24.64	1.91	4.70	0.73	58.46	97.85	0.74	6.70	0.68	58.82	28.83	2.13	8.70	1.54	116.45	53.76	3.09
0.72	2.51	78.81	7.78	1.72	2.72	1.18	104.91	25.23	1.86	4.72	0.70	58.34	119.69	2.01	6.72	0.69	56.97	28.83	2.01	8.72	1.57	119.80	53.36	3.18
0.74	2.53	64.35	6.98	2.08	2.74	1.14	99.04	25.93	1.89	4.74	0.68	58.27	99.24	1.95	6.74	0.71	56.43	28.93	1.81	8.74	1.58	120.60	52.36	3.77
0.76	2.76	60.03	5.19	2.01	2.76	1.15	96.39	26.23	2.08	4.76	0.62	58.37	60.54	2.20	6.76	0.72	55.66	29.02	1.90	8.76	1.57	120.98	51.37	3.43
0.78	3.29	50.36	2.39	1.89	2.78	1.14	97.71	26.43	1.99	4.78	0.61	58.31	60.64	1.84	6.78	0.75	55.21	29.02	2.31	8.78	1.56	120.82	49.37	4.41
0.80	3.53	67.97	10.17	2.09	2.80	1.15	101.80	26.73	2.03	4.80	0.58	58.76	56.75	2.00	6.80	0.79	54.80	29.32	1.85	8.80	1.58	120.12	45.88	3.07
0.82	4.78	79.05	11.77	2.06	2.82	1.14	100.75	27.23	2.09	4.82	0.57	58.31	84.18	1.96	6.82	0.91	55.05	30.02	1.95	8.82	1.56	122.93	42.39	2.09
0.85	5.18	80.07	12.97	2.16	2.84	1.09	99.38	27.73	2.20	4.84	0.55	59.52	86.78	2.04	6.84	0.97	55.18	30.32	2.04	8.84	1.59	123.98	39.70	2.16
0.86	4.12	84.44	15.76	1.62	2.86	1.09	97.82	28.13	1.76	4.86	0.54	59.05	82.09	2.00	6.86	1.02	54.21	29.92	2.03	8.86	1.58	125.51	38.70	2.25
0.88	1.91	177.78	12.87	0.60	2.88	1.06	98.11	28.53	1.97	4.88	0.54	52.51	43.29	2.04	6.88	0.98	56.25	29.32	2.06	8.88	1.60	128.00	38.20	2.16
0.90	2.14	179.51	13.66	1.82	2.90	1.12	100.08	24.04	0.60	4.90	0.57	53.03	65.73	2.21	6.90	0.96	58.87	28.73	2.08	8.90	1.57	132.66	38.50	2.12
0.92	2.30	175.40	13.86	2.03	2.92	1.08	97.56	17.95	2.00	4.92	0.56	52.93	76.90	2.00	6.92	0.88	61.52	28.43	1.95	8.92	1.55	136.52	38.30	2.33
0.94	2.45	174.41	13.86	1.86	2.94	1.04	96.92	5.29	1.93	4.94	0.61	51.94	74.11	1.72	6.94	0.82	63.31	28.13	1.91	8.94	1.57	140.00	36.70	1.99
0.96	2.60	156.31	13.96	2.12	2.96																			

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prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	1.57	72.70	296.03	1.99	12.02	1.33	86.21	238.58	1.92	14.02	1.21	77.90	237.38	1.87	16.02	1.03	53.12	249.75	1.97	18.02	2.96	113.05	368.25	1.84
10.04	1.55	76.92	272.99	2.03	12.04	1.31	87.27	235.69	0.11	14.04	1.32	73.19	243.77	0.10	16.04	1.02	56.22	249.25	2.02	18.04	3.13	111.54	370.04	1.94
10.06	1.59	80.58	251.95	0.11	12.06	1.33	88.38	234.89	1.99	14.06	1.28	71.33	242.37	2.07	16.06	1.04	58.94	249.05	1.79	18.06	3.06	114.77	367.35	1.88
10.08	1.67	81.66	247.06	1.98	12.08	1.30	87.59	233.59	2.02	14.08	1.26	67.18	240.88	1.86	16.08	1.05	60.16	248.06	1.12	18.08	2.91	127.54	364.16	2.06
10.10	1.69	80.64	249.45	1.93	12.10	1.26	87.59	232.60	1.88	14.10	1.21	64.41	239.78	1.87	16.10	1.10	62.49	248.66	1.94	18.10	2.71	139.29	359.07	1.59
10.12	1.61	83.36	248.66	1.87	12.12	1.26	85.99	232.10	1.79	14.12	1.20	61.05	239.98	1.87	16.12	1.08	64.88	248.56	1.99	18.12	2.60	155.88	373.83	0.08
10.14	1.52	84.73	248.06	1.79	12.14	1.23	85.38	232.00	2.08	14.14	1.22	59.71	241.27	1.92	16.14	1.07	64.59	247.76	1.85	18.14	2.60	158.41	373.93	1.10
10.16	1.37	80.36	458.71	2.16	12.16	1.20	84.71	231.30	1.83	14.16	1.21	58.24	240.38	1.94	16.16	1.01	62.49	246.06	1.81	18.16	2.61	160.67	373.93	1.17
10.18	1.36	75.34	485.34	1.92	12.18	1.19	82.92	230.70	2.16	14.18	1.21	59.30	241.67	1.99	16.18	0.97	62.81	244.47	1.89	18.18	2.61	162.05	373.63	1.18
10.20	1.34	73.94	501.80	2.16	12.20	1.14	80.85	230.80	2.07	14.20	1.21	58.69	243.27	2.00	16.20	0.97	63.41	244.47	1.91	18.20	2.73	159.08	375.23	1.16
10.22	1.35	72.64	447.74	0.08	12.22	1.14	76.89	230.70	1.83	14.22	1.20	54.83	243.57	1.96	16.22	0.98	63.25	244.96	1.89	18.22	2.90	153.36	377.12	1.24
10.24	1.42	72.16	480.95	1.97	12.24	1.12	73.57	231.00	2.07	14.24	1.18	53.42	242.07	1.96	16.24	1.01	62.14	246.06	2.06	18.24	2.91	157.22	379.62	1.71
10.26	1.45	72.99	468.09	1.83	12.26	1.10	70.92	231.20	1.89	14.26	1.12	52.59	242.17	1.83	16.26	0.98	59.68	246.16	1.89	18.26	3.00	156.10	380.21	1.54
10.28	1.47	75.42	410.34	1.94	12.28	1.11	66.25	231.30	1.80	14.28	1.10	52.91	241.57	1.99	16.28	0.97	59.39	246.06	1.84	18.28	2.76	154.25	373.63	1.63
10.30	1.42	75.90	365.45	1.92	12.30	1.12	64.79	231.30	2.02	14.30	1.08	57.19	243.47	1.74	16.30	0.96	59.26	245.76	1.91	18.30	2.42	152.40	367.35	1.75
10.32	1.42	75.39	304.71	1.96	12.32	1.06	64.47	231.60	1.92	14.32	1.04	57.90	243.77	2.00	16.32	0.94	58.37	245.46	1.85	18.32	2.28	144.73	369.74	1.83
10.34	1.42	74.46	256.44	2.23	12.34	1.06	63.79	230.70	2.00	14.34	1.00	57.39	243.37	1.98	16.34	0.92	58.02	245.66	1.71	18.34	2.25	138.99	374.03	1.75
10.36	1.39	74.37	255.54	1.85	12.36	1.03	63.76	230.50	2.00	14.36	1.05	57.67	243.87	2.01	16.36	0.92	58.46	245.96	2.17	18.36	2.33	128.90	379.12	1.84
10.38	1.39	73.57	264.31	2.03	12.38	1.04	63.16	230.60	2.07	14.38	1.02	56.21	243.67	1.90	16.38	0.91	59.39	245.86	1.97	18.38	2.43	121.58	383.41	1.64
10.40	1.31	74.01	191.10	1.87	12.40	1.00	63.89	230.50	1.91	14.40	1.03	54.45	242.97	1.98	16.40	0.87	59.68	245.56	1.79	18.40	2.43	122.38	387.89	1.81
10.42	1.29	75.64	202.28	1.97	12.42	0.94	58.43	228.91	0.72	14.42	1.01	51.86	242.17	1.88	16.42	0.85	59.32	245.16	2.03	18.42	2.48	124.68	389.99	1.79
10.44	1.29	75.16	221.13	1.92	12.44	1.00	64.56	229.41	0.88	14.44	1.01	52.06	241.77	1.82	16.44	0.83	58.46	244.96	1.84	18.44	2.54	124.32	390.69	1.84
10.46	1.24	77.14	221.53	1.98	12.46	1.00	64.21	230.60	1.84	14.46	0.94	55.38	241.47	1.84	16.46	0.83	54.89	244.67	1.79	18.46	2.54	125.82	393.98	2.00
10.48	1.21	77.84	221.23	2.16	12.48	1.01	63.79	231.40	2.08	14.48	0.96	55.35	240.98	2.04	16.48	0.83	52.97	244.67	2.09	18.48	2.57	131.35	405.75	1.88
10.50	1.17	77.24	221.53	1.94	12.50	1.07	62.17	232.30	2.04	14.50	0.98	55.82	240.48	2.03	16.50	0.83	51.76	244.87	1.72	18.50	2.67	137.51	413.13	1.58
10.52	1.16	75.93	222.92	1.90	12.52	1.11	61.85	232.90	1.92	14.52	1.00	58.57	240.48	1.89	16.52	0.85	50.26	245.46	1.81	18.52	2.64	141.47	413.13	1.68
10.54	1.12	74.84	227.01	2.16	12.54	1.10	57.44	233.10	1.37	14.54	1.00	60.01	240.38	2.10	16.54	0.90	50.51	247.26	2.23	18.54	2.63	144.29	414.63	1.73
10.56	1.10	72.73	227.51	1.73	12.56	1.18	60.00	232.90	1.05	14.56	1.01	60.93	240.08	1.85	16.56	0.92	50.73	247.96	1.74	18.56	2.74	144.24	424.80	1.76
10.58	1.09	71.58	227.91	1.95	12.58	1.24	62.01	233.20	1.71	14.58	1.02	61.29	240.08	2.04	16.58	0.89	49.17	247.26	1.90	18.58	2.72	149.70	422.01	0.42
10.61	1.13	69.83	232.80	1.13	12.60	1.27	62.71	234.09	2.06	14.60	1.05	63.49	240.18	1.62	16.60	0.90	47.57	246.66	1.90	18.60	2.66	152.61	420.21	1.91
10.62	1.23	67.98	234.19	1.67	12.62	1.27	65.94	234.49	1.91	14.62	1.04	65.82	240.28	2.13	16.62	0.89	47.99	246.46	2.05	18.62	2.50	154.65	433.68	1.74
10.64	1.29	64.69	235.19	2.10	12.64	1.27	68.49	234.09	1.98	14.64	1.05	65.12	240.18	2.08	16.64	0.87	47.57	246.86	1.70	18.64	2.43	154.11	453.52	1.85
10.66	1.32	63.63	235.79	1.94	12.66	1.31	70.57	234.79	2.18	14.66	1.07	63.78	240.48	1.81	16.66	0.90	47.35	247.46	1.89	18.66	2.33	152.77	476.17	1.65
10.68	1.35	63.19	235.39	2.09	12.68	1.34	71.36	236.79	2.03	14.68	1.09	64.61	240.68	2.05	16.68	0.92	47.35	248.36	1.86	18.68	2.21	153.79	490.13	1.80
10.70	1.37	64.81	234.99	1.92	12.70	1.37	73.76	238.38	1.97	14.70	1.09	66.30	240.88	2.01	16.70	0.94	46.42	248.56	2.01	18.70	2.14	152.07	492.72	1.64
10.72	1.40	67.24	239.89	2.11	12.72	1.45	73.54	240.58	1.93	14.72	1.14	67.13	241.07	1.76	16.72	0.97	47.29	248.85	2.02	18.72	2.09	149.83	491.43	1.79
10.74	1.46	71.71	236.19	1.82	12.74	1.49	71.75	240.18	1.79	14.74	1.18	67.61	241.37	1.81	16.74	0.98	47.73	249.25	1.91	18.74	2.13	143.73	491.63	1.95
10.76	1.46	73.47	236.49	2.13	12.76	1.53	72.20	239.98	2.09	14.76	1.23	68.79	241.57	2.15	16.76	0.97	49.01	249.15	1.71	18.76	2.16	135.37	490.73	1.62
10.78	1.46	75.70	236.89	1.73	12.78	1.55	71.91	238.88	1.85	14.78	1.24	70.04	242.07	1.83	16.78	0.98	50.90	249.15	2.61	18.78	2.19	126.94	487.74	2.11
10.80	1.44	78.80	237.19	2.06	12.80	1.54	74.18	238.28	1.98	14.80	1.28	71.22	242.67	2.12	16.80	0.96	50.32	248.76	2.90	18.80	2.20	120.84	484.14	2.17
10.82	1.32	71.61	235.29	1.23	12.83	1.54	79.48	237.98	2.16	14.82	1.31	73.52	242.97	1.80	16.83	0.92	49.75	248.06	5.11	18.82	2.17	120.84	480.75	1.80
10.84	1.48	84.13	237.38	1.04	12.84	1.52	80.21	237.78	1.81	14.84	1.35	74.47	243.07	1.85	16.84	0.90	49.75	247.56	2.20	18.84	2.10	123.45	474.57	1.87
10.86	1.51	86.11	238.88	2.15	12.86	1.52	83.59	237.78	2.00	14.86	1.34	76.45	242.67	1.82	16.86	0.89	49.94	247.36	1.20	18.86	2.01	129.30	470.78	2.83
10.88	1.57	88.34	240.58	1.96	12.88	1.48	87.36	237.09	1.73	14.88	1.36	76.17	242.27	2.13	16.88	0.96	54.47	248.85	1.47	18.88	1.95	133.76	469.28	3.13
10.90	1.59	91.47	242.87	1.75	12.90	1.44	87.94	235.79	1.99	14.91	1.38	74.98	242.27	1.94	16.90	0.96	55.69	249.05	1.92	18.90	1.91	138.94	469.78	3.25
10.92	1.63	90.07	243.07	2.16	12.92	1.40																		

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CANTIERE: SP12 - Chiesa cattolica Annunciazione - Soraqna (PR)

CPT N° SCPTU 1 PROF. FALDA (m da p.c.) n.r.
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0165/22 C. SITO N°: SF221117 del 08/11/22

sismocono G1 - CPL2IN
LAI. (WGS 84): 44.915226°
LONG. (WGS 84): 10.110627°



prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi															
20.02	1.36	67.12	405.95	2.12	22.02	1.26	69.68	375.43	1.33	24.02	1.48	69.32	453.22	1.55	26.02	18.92	135.90	21.15	0.61	20.02	1.36	67.12	405.95	2.12	22.02	1.26	69.68	375.43	1.33	24.02	1.48	69.32	453.22	1.55	26.02	18.92	135.90	21.15	0.61
20.04	1.32	67.63	404.15	1.96	22.04	1.22	68.98	374.13	1.73	24.04	1.54	68.75	455.52	1.75	26.04	17.24	127.01	23.04	0.59	20.04	1.32	67.63	404.15	1.96	22.04	1.22	68.98	374.13	1.73	24.04	1.54	68.75	455.52	1.75	26.04	17.24	127.01	23.04	0.59
20.06	1.33	68.27	404.25	1.87	22.06	1.15	69.46	372.04	1.34	24.06	1.63	69.90	457.81	1.68	26.06	14.58	121.29	26.83	0.57	20.06	1.33	68.27	404.25	1.87	22.06	1.15	69.46	372.04	1.34	24.06	1.63	69.90	457.81	1.68	26.06	14.58	121.29	26.83	0.57
20.08	1.38	68.40	406.25	1.88	22.08	1.14	69.11	371.54	1.56	24.08	1.66	69.90	459.41	1.87	26.08	11.70	107.46	30.42	0.71	20.08	1.38	68.40	406.25	1.88	22.08	1.14	69.11	371.54	1.56	24.08	1.66	69.90	459.41	1.87	26.08	11.70	107.46	30.42	0.71
20.10	1.40	68.81	406.75	2.34	22.10	1.12	69.17	372.73	1.55	24.10	1.52	69.32	454.02	1.42	26.10	10.12	102.92	30.72	0.87	20.10	1.40	68.81	406.75	2.34	22.10	1.12	69.17	372.73	1.55	24.10	1.52	69.32	454.02	1.42	26.10	10.12	102.92	30.72	0.87
20.12	1.48	68.94	409.94	1.90	22.12	1.13	68.82	373.03	1.61	24.12	1.43	70.28	453.22	1.25	26.12	9.77	138.32	28.93	1.09	20.12	1.48	68.94	409.94	1.90	22.12	1.13	68.82	373.03	1.61	24.12	1.43	70.28	453.22	1.25	26.12	9.77	138.32	28.93	1.09
20.14	1.59	68.14	414.23	1.52	22.14	1.15	67.13	374.73	1.46	24.14	1.52	68.08	455.32	1.09	26.14	13.60	201.62	61.54	0.67	20.14	1.59	68.14	414.23	1.52	22.14	1.15	67.13	374.73	1.46	24.14	1.52	68.08	455.32	1.09	26.14	13.60	201.62	61.54	0.67
20.16	1.61	62.40	412.73	0.34	22.16	1.20	66.52	376.22	1.56	24.16	1.58	68.43	460.71	1.37	26.16	14.14	197.84	68.72	0.87	20.16	1.61	62.40	412.73	0.34	22.16	1.20	66.52	376.22	1.56	24.16	1.58	68.43	460.71	1.37	26.16	14.14	197.84	68.72	0.87
20.18	1.68	63.68	411.83	0.70	22.18	1.28	66.24	378.32	1.32	24.18	1.58	68.68	461.40	1.67	26.18	12.88	196.83	68.72	0.73	20.18	1.68	63.68	411.83	0.70	22.18	1.28	66.24	378.32	1.32	24.18	1.58	68.68	461.40	1.67	26.18	12.88	196.83	68.72	0.73
20.20	1.69	71.15	381.81	0.03	22.20	1.41	61.85	381.21	0.05	24.20	1.55	68.62	459.51	1.43	26.20	9.69	178.63	47.78	0.52	20.20	1.69	71.15	381.81	0.03	22.20	1.41	61.85	381.21	0.05	24.20	1.55	68.62	459.51	1.43	26.20	9.69	178.63	47.78	0.52
20.22	1.61	77.02	378.92	0.89	22.22	1.47	61.92	382.11	0.87	24.22	1.56	70.09	459.81	1.23	26.22	7.52	151.06	23.14	0.65	20.22	1.61	77.02	378.92	0.89	22.22	1.47	61.92	382.11	0.87	24.22	1.56	70.09	459.81	1.23	26.22	7.52	151.06	23.14	0.65
20.24	1.53	83.06	374.13	0.57	22.24	1.48	65.21	380.61	0.70	24.24	1.84	70.42	332.04	0.06	26.24	8.23	192.72	33.01	0.03	20.24	1.53	83.06	374.13	0.57	22.24	1.48	65.21	380.61	0.70	24.24	1.84	70.42	332.04	0.06	26.24	8.23	192.72	33.01	0.03
20.26	1.51	89.12	370.14	0.52	22.26	1.49	70.83	381.01	1.03	24.26	1.72	74.37	337.33	0.98	26.26	9.48	216.54	103.93	0.63	20.26	1.51	89.12	370.14	0.52	22.26	1.49	70.83	381.01	1.03	24.26	1.72	74.37	337.33	0.98	26.26	9.48	216.54	103.93	0.63
20.28	1.50	95.83	367.35	0.53	22.28	1.51	74.34	380.21	1.32	24.28	1.68	78.62	361.46	1.01	26.28	10.53	200.31	286.46	0.68	20.28	1.50	95.83	367.35	0.53	22.28	1.51	74.34	380.21	1.32	24.28	1.68	78.62	361.46	1.01	26.28	10.53	200.31	286.46	0.68
20.30	1.47	97.49	365.25	0.47	22.30	1.53	79.96	380.01	1.52	24.30	1.63	79.20	362.96	1.14	26.30	10.83	180.08	275.29	0.67	20.30	1.47	97.49	365.25	0.47	22.30	1.53	79.96	380.01	1.52	24.30	1.63	79.20	362.96	1.14	26.30	10.83	180.08	275.29	0.67
20.32	1.53	100.71	366.95	0.51	22.32	1.49	82.38	379.12	1.76	24.32	1.57	79.45	362.06	1.25	26.32	9.29	171.53	236.89	0.64	20.32	1.53	100.71	366.95	0.51	22.32	1.49	82.38	379.12	1.76	24.32	1.57	79.45	362.06	1.25	26.32	9.29	171.53	236.89	0.64
20.34	1.56	100.93	368.44	0.75	22.34	1.45	83.37	377.12	1.49	24.34	1.51	79.16	362.16	1.44	26.34	7.13	140.46	201.58	0.79	20.34	1.56	100.93	368.44	0.75	22.34	1.45	83.37	377.12	1.49	24.34	1.51	79.16	362.16	1.44	26.34	7.13	140.46	201.58	0.79
20.36	1.70	105.56	372.23	1.09	22.36	1.43	84.65	376.62	1.71	24.36	1.43	79.77	369.84	1.59	26.36	5.57	130.88	181.33	0.93	20.36	1.70	105.56	372.23	1.09	22.36	1.43	84.65	376.62	1.71	24.36	1.43	79.77	369.84	1.59	26.36	5.57	130.88	181.33	0.93
20.38	1.74	97.48	373.73	0.88	22.38	1.42	82.99	376.62	1.58	24.38	1.43	80.44	374.83	1.63	26.38	4.30	141.41	166.27	1.18	20.38	1.74	97.48	373.73	0.88	22.38	1.42	82.99	376.62	1.58	24.38	1.43	80.44	374.83	1.63	26.38	4.30	141.41	166.27	1.18
20.40	1.94	107.15	379.72	1.40	22.40	1.43	83.28	377.82	1.75	24.40	1.53	79.48	387.20	1.47	26.40	2.85	155.88	152.60	0.96	20.40	1.94	107.15	379.72	1.40	22.40	1.43	83.28	377.82	1.75	24.40	1.53	79.48	387.20	1.47	26.40	2.85	155.88	152.60	0.96
20.42	2.05	99.75	383.11	1.08	22.42	1.42	81.07	377.72	1.58	24.42	1.77	74.73	420.01	1.53	26.42	2.34	159.39	189.71	0.99	20.42	2.05	99.75	383.11	1.08	22.42	1.42	81.07	377.72	1.58	24.42	1.77	74.73	420.01	1.53	26.42	2.34	159.39	189.71	0.99
20.44	2.15	102.04	385.60	1.17	22.44	1.40	79.76	377.72	1.58	24.44	1.87	72.87	423.60	1.43	26.44	3.06	152.39	331.44	0.96	20.44	2.15	102.04	385.60	1.17	22.44	1.40	79.76	377.72	1.58	24.44	1.87	72.87	423.60	1.43	26.44	3.06	152.39	331.44	0.96
20.46	2.19	105.33	387.10	1.36	22.46	1.31	79.96	377.02	1.47	24.46	1.83	74.60	422.90	1.53	26.46	4.51	150.54	436.57	1.01	20.46	2.19	105.33	387.10	1.36	22.46	1.31	79.96	377.02	1.47	24.46	1.83	74.60	422.90	1.53	26.46	4.51	150.54	436.57	1.01
20.48	2.24	110.25	389.29	1.46	22.48	1.28	78.45	376.72	1.71	24.48	1.82	73.51	422.40	1.64	26.48	3.98	129.72	435.07	0.97	20.48	2.24	110.25	389.29	1.46	22.48	1.28	78.45	376.72	1.71	24.48	1.82	73.51	422.40	1.64	26.48	3.98	129.72	435.07	0.97
20.50	2.31	113.18	389.79	1.40	22.50	1.29	74.65	377.82	1.69	24.50	1.84	71.91	424.30	1.21	26.50	3.06	139.49	384.90	0.99	20.50	2.31	113.18	389.79	1.40	22.50	1.29	74.65	377.82	1.69	24.50	1.84	71.91	424.30	1.21	26.50	3.06	139.49	384.90	0.99
20.52	2.32	117.97	390.59	1.43	22.52	1.29	71.59	379.52	1.59	24.52	1.77	73.10	424.40	1.38	26.52	2.98	177.38	387.10	0.81	20.52	2.32	117.97	390.59	1.43	22.52	1.29	71.59	379.52	1.59	24.52	1.77	73.10	424.40	1.38	26.52	2.98	177.38	387.10	0.81
20.54	2.34	119.95	389.99	1.33	22.54	1.34	71.43	382.51	1.32	24.54	1.63	73.61	421.11	1.34	26.54	5.56	157.69	457.41	0.82	20.54	2.34	119.95	389.99	1.33	22.54	1.34	71.43	382.51	1.32	24.54	1.63	73.61	421.11	1.34	26.54	5.56	157.69	457.41	0.82
20.56	2.34	130.36	391.98	1.31	22.56	1.40	69.74	384.30	1.45	24.56	1.49	77.31	588.18	1.42	26.56	7.62	147.51	524.44	0.89	20.56	2.34	130.36	391.98	1.31	22.56	1.40	69.74	384.30	1.45	24.56	1.49	77.31	588.18	1.42	26.56	7.62	147.51	524.44	0.89
20.58	2.28	138.02	393.98	1.25	22.58	1.46	67.95	386.70	1.43	24.58	1.50	77.79	586.78																										

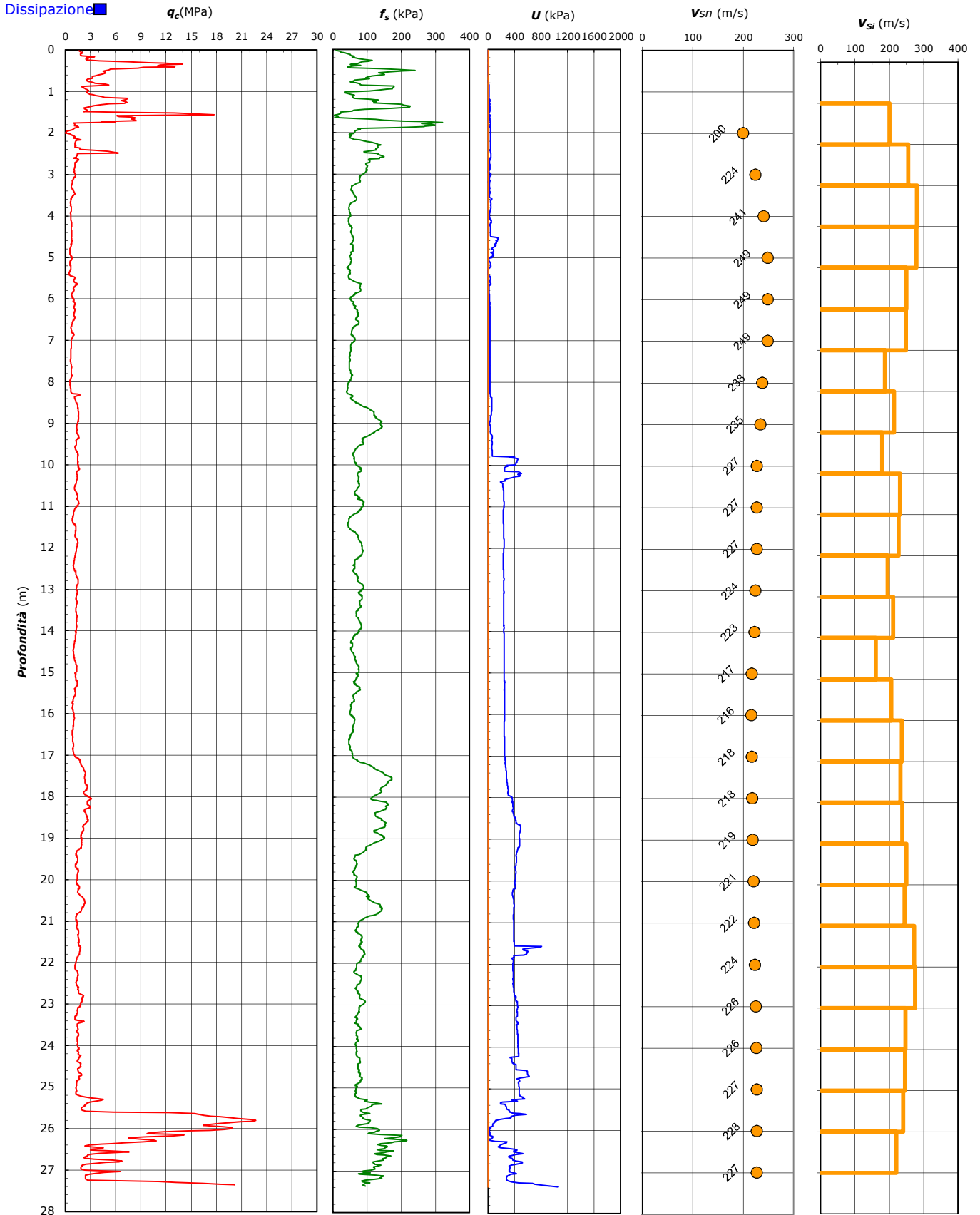
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CANTIERE: SP12 - Chiesa cattolica Annunciazione - Soragna (PR)
 CPT N° SCPTU 1 PROF. FALDA (m da p.c.) n.r
 DATA 25/10/22 PREFORO (m da p.c.)
 COMMESSA 0165/22 C. SITO N°: SF221117 del 08/11/22



sismocono G1 - CPL2IN
 LAI. (WGS 84): 44.915226°
 LONG. (WGS 84): 10.110627°



Il Responsabile Prove in Sito:
 dott. geol. Massimo Romagnoli

FERRARA DEPARTMENT

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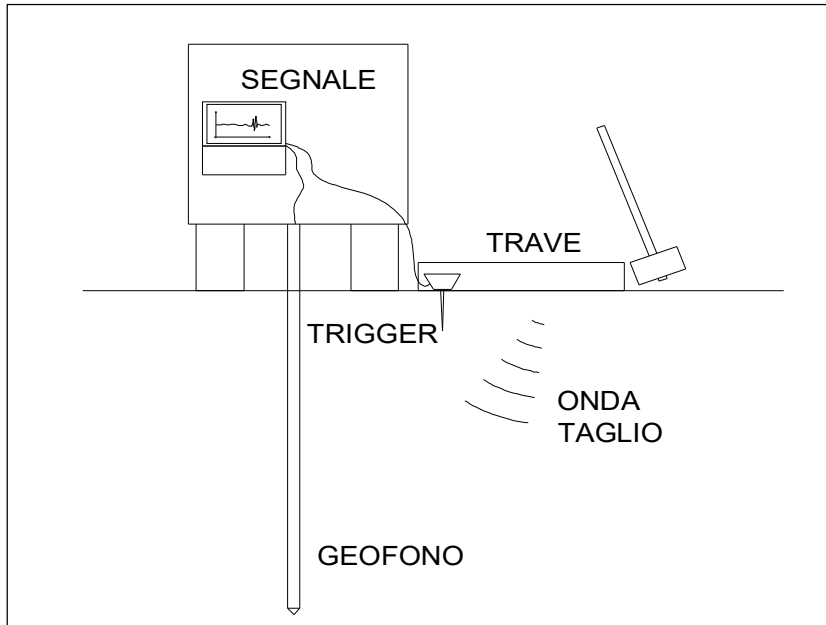
SOCOTEC ITALIA Srl – P.Iva 01872430648
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: SP12 - Chiesa cattolica Annunziata - Soraqna (PR)
CPT N° SCPTU 1 PROF. FALDA (m da p.c.) n.r
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0165/22 C. SITO N°: SF221117 del 08/11/22



sismocono G1 - CPL2IN
LAT. (WGS 84): 44.915226°
LONG. (WGS 84): 10.110627°

Prova Down Hole ASTM D 7400



Profondità (m)	Ts (ms)	L (m)	Vs (m/s)	Vis (m/s)
1.0	T0	1.30	-	-
2.0	4.99	2.30	200	200
3.0	8.90	3.30	224	255
4.0	12.46	4.30	241	281
5.0	16.04	5.29	249	279
6.0	20.03	6.29	249	250
7.0	24.05	7.29	249	248
8.0	29.38	8.29	238	187
9.0	34.02	9.28	235	214
10.0	39.56	10.28	227	180
11.0	43.87	11.27	227	231
12.0	48.26	12.26	227	227
13.0	53.33	13.26	224	196
14.0	58.02	14.25	223	211
15.0	64.19	15.24	217	160
16.0	68.98	16.22	216	206
17.0	73.15	17.21	218	237
18.0	77.39	18.19	218	232
19.0	81.54	19.18	219	237
20.0	85.47	20.16	221	249
21.0	89.47	21.14	222	245
22.0	93.06	22.12	224	273
23.0	96.61	23.10	226	275
24.0	100.56	24.07	226	247
25.0	104.52	25.04	227	246
26.0	108.57	26.02	228	240
27.0	112.97	26.99	227	220

CATEGORIA SOTTOSUOLO

Intervallo di profondità considerato per il calcolo della Vs30: m 1.0 - 27.0

- D = Distanza centro trave generatrice onde di taglio - verticale di prova m = 1.00
- Profondità = Profondità punta da piano campagna
- Ts = Tempo percorrenza onda di taglio
- L = Lunghezza percorso onda di taglio
- Vs = Velocità onde di taglio da piano campagna alla profondità ind = 27.0 m
- Vis = Velocità onde di taglio nello strato di terreno compreso fra le due profondità indicate

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)
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SOCOTEC ITALIA Srl – P.Iva 01872430648
Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)
Tel.: +39 02 9375 0000 - Fax: +39 02 9375 0099
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2

CANTIERE: SP12 - Chiesa cattolica Annunciazione - Soragna (PR)

CPT N° SCPTU 1 PROF. FALDA (m da p.c.) n.r
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0165/22 C. SITO N°:

SF221117 del 08/11/22

sismocono G1 - CPL2IN
LAT. (WGS 84): 44.915226°
LONG. (WGS 84): 10.110627°

UBICAZIONE

Località: SP12 - Chiesa cattolica Annunciazione - Soragna (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: Via Vittorio Veneto - vicino Scuola Cesare Battisti Soragna (PR)
CPT N° SCPTU 2 PROF. FALDA (m da p.c.) 11.00
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0165/22 C. SITO N°: SF221118 del 08/11/22



sismocono G1 - CPL2IN
LA1. (WGS 84): 44.930231°
LONG. (WGS 84): 10.122048°

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
0.02	2.48	7.62	8.68	0.16	2.02	2.71	154.75	15.46	0.91	4.02	1.20	64.79	150.41	1.66	6.02	1.73	83.26	9.87	2.42	8.02	1.71	101.30	56.55	3.17
0.04	3.05	15.50	7.18	0.16	2.04	2.34	135.56	17.75	0.92	4.04	1.35	56.74	126.57	1.67	6.04	1.72	80.84	11.87	2.43	8.04	1.73	99.25	56.45	3.18
0.06	3.40	29.49	5.98	0.17	2.06	2.92	138.44	17.65	0.93	4.06	1.42	58.27	88.37	1.68	6.06	1.96	85.11	14.16	2.43	8.06	1.76	96.73	57.35	3.19
0.08	3.67	28.40	4.89	0.18	2.08	2.83	132.28	18.95	0.93	4.08	1.52	58.31	97.25	1.69	6.08	2.05	86.33	14.66	2.44	8.08	1.81	95.01	56.65	3.19
0.10	3.73	24.09	4.09	0.19	2.10	2.71	121.77	19.45	0.94	4.10	1.61	59.04	95.05	1.69	6.10	2.28	87.89	14.36	2.45	8.10	1.92	94.49	52.86	3.20
0.12	3.54	34.76	0.30	0.19	2.12	2.55	114.30	20.65	0.95	4.12	1.60	63.03	59.84	1.70	6.12	2.40	92.39	13.17	2.46	8.12	1.88	96.37	50.97	3.21
0.14	3.50	36.23	1.30	0.20	2.14	2.32	104.85	22.34	0.96	4.14	1.66	67.83	56.55	1.71	6.14	2.51	94.60	7.78	2.46	8.14	1.98	98.87	50.67	3.22
0.16	3.36	48.62	3.19	0.21	2.16	2.21	97.82	22.54	0.96	4.16	1.71	72.27	25.63	1.72	6.16	2.47	109.32	62.74	2.47	8.16	1.90	100.88	51.37	3.22
0.18	3.22	55.26	5.39	0.22	2.18	2.16	94.73	22.34	0.97	4.18	1.70	79.55	18.55	1.72	6.18	2.57	132.21	90.07	2.48	8.18	1.89	102.48	53.96	3.23
0.20	3.18	61.11	5.59	0.22	2.20	2.08	93.80	22.54	0.98	4.20	1.70	84.56	29.92	1.73	6.20	2.53	141.06	102.73	2.49	8.20	1.90	104.91	54.06	3.24
0.22	3.12	72.22	6.28	0.23	2.22	2.02	95.43	22.44	0.99	4.22	1.68	90.56	54.66	1.74	6.22	2.47	137.39	100.94	2.49	8.22	1.91	106.66	54.86	3.25
0.24	3.31	83.14	5.98	0.24	2.24	2.02	101.65	22.44	0.99	4.24	1.68	96.63	71.91	1.75	6.24	2.50	129.82	101.54	2.50	8.24	1.94	105.35	55.36	3.25
0.26	3.33	89.24	11.57	0.25	2.26	2.02	107.11	22.14	1.00	4.26	1.69	102.79	78.70	1.75	6.26	2.45	126.50	100.54	2.51	8.26	1.98	104.33	55.46	3.26
0.28	3.50	106.98	13.66	0.25	2.28	2.10	108.99	21.84	1.01	4.28	1.67	106.24	80.59	1.76	6.28	2.27	137.38	99.94	2.52	8.28	2.00	104.14	55.36	3.27
0.30	3.68	101.01	14.66	0.26	2.30	2.09	109.06	22.14	1.02	4.30	1.65	110.14	79.39	1.77	6.30	2.39	137.16	99.44	2.52	8.30	2.06	104.56	55.36	3.28
0.32	3.71	107.24	16.06	0.27	2.32	2.06	111.23	22.24	1.02	4.32	1.64	108.74	84.78	1.78	6.32	2.08	135.40	99.64	2.53	8.32	2.04	107.46	55.16	3.28
0.34	3.63	112.74	16.76	0.28	2.34	2.06	113.72	22.34	1.03	4.34	1.59	106.25	98.94	1.78	6.34	2.00	130.39	99.24	2.54	8.34	1.97	111.55	54.76	3.29
0.36	3.73	115.75	17.55	0.28	2.36	2.06	114.83	22.34	1.04	4.36	1.55	103.76	86.97	1.79	6.36	1.95	128.63	98.25	2.55	8.36	1.94	116.24	55.36	3.30
0.38	3.70	123.89	17.95	0.29	2.38	2.04	115.86	22.44	1.05	4.38	1.55	99.64	78.60	1.80	6.38	1.95	129.43	97.55	2.55	8.38	1.94	122.47	57.25	3.31
0.40	3.61	135.10	19.85	0.30	2.40	2.04	114.74	22.54	1.05	4.40	1.59	97.31	78.20	1.81	6.40	1.99	127.96	96.95	2.56	8.40	1.98	124.99	57.25	3.32
0.42	3.62	139.93	19.75	0.31	2.42	2.03	116.40	22.44	1.06	4.42	1.65	95.39	79.39	1.81	6.42	2.01	124.80	96.45	2.57	8.42	2.01	123.40	57.35	3.32
0.44	3.60	151.68	19.35	0.31	2.44	1.99	118.79	22.74	1.07	4.44	1.68	94.59	79.99	1.82	6.44	2.04	127.89	96.55	2.58	8.44	1.98	125.22	57.25	3.33
0.46	3.82	164.27	19.75	0.32	2.46	1.97	121.41	23.04	1.08	4.46	1.77	96.12	78.80	1.83	6.46	2.07	130.67	97.45	2.58	8.46	1.76	107.62	56.65	3.34
0.48	4.25	164.27	18.65	0.33	2.48	1.87	123.32	23.24	1.08	4.48	1.78	95.61	77.90	1.84	6.48	2.11	132.55	98.94	2.59	8.48	1.89	116.18	57.15	3.35
0.50	5.26	156.91	13.76	0.34	2.50	1.84	124.95	23.64	1.09	4.50	1.80	98.04	77.50	1.84	6.50	2.15	135.20	99.54	2.60	8.50	1.91	124.93	57.05	3.35
0.52	6.88	151.11	4.39	0.34	2.52	1.81	125.07	23.54	1.10	4.52	1.83	100.31	77.20	1.85	6.52	2.14	135.93	139.04	2.61	8.52	1.88	124.93	57.45	3.36
0.54	8.20	143.99	6.58	0.35	2.54	1.85	124.72	23.34	1.11	4.54	1.83	100.91	77.10	1.86	6.54	2.14	136.92	126.47	2.61	8.54	1.85	125.92	57.45	3.37
0.56	7.75	176.11	11.87	0.36	2.57	1.88	123.22	21.74	1.11	4.56	1.84	104.04	77.20	1.87	6.56	2.16	135.93	111.01	2.62	8.56	1.82	124.07	58.35	3.38
0.58	7.98	173.34	9.28	0.37	2.58	1.90	121.91	19.95	1.12	4.58	1.88	106.02	76.90	1.88	6.58	2.21	133.72	95.05	2.63	8.58	1.73	124.61	60.14	3.38
0.60	7.19	163.53	12.37	0.37	2.60	1.91	121.56	17.36	1.13	4.60	1.89	108.13	76.80	1.88	6.60	2.37	132.19	96.45	2.64	8.60	1.73	117.17	60.44	3.39
0.62	6.39	144.55	12.67	0.38	2.62	1.89	117.92	11.07	1.14	4.62	1.90	111.61	76.30	1.89	6.62	2.46	139.57	94.26	2.64	8.62	1.82	109.22	60.94	3.40
0.64	6.25	118.85	11.77	0.39	2.64	1.85	116.54	10.97	1.14	4.64	1.90	114.45	76.10	1.90	6.64	2.48	145.06	88.87	2.65	8.64	1.91	107.94	62.94	3.41
0.66	4.88	129.42	16.06	0.40	2.66	1.80	114.09	10.97	1.15	4.66	1.91	116.33	75.80	1.91	6.66	2.23	151.95	84.48	2.66	8.66	1.93	108.45	70.02	3.41
0.68	4.25	125.40	16.86	0.41	2.68	1.69	113.67	10.27	1.16	4.68	1.92	116.49	76.10	1.91	6.68	2.17	154.12	82.59	2.67	8.68	1.97	106.82	70.12	3.42
0.70	3.77	100.75	17.36	0.41	2.70	1.61	111.21	11.27	1.17	4.70	1.93	118.31	76.00	1.92	6.70	2.18	154.76	82.39	2.67	8.70	2.02	101.30	70.02	3.43
0.72	3.41	92.42	17.45	0.42	2.72	1.51	109.84	12.27	1.17	4.72	1.91	118.73	75.50	1.93	6.72	2.20	156.57	82.49	2.68	8.72	2.07	104.72	70.22	3.44
0.74	3.06	102.16	16.46	0.43	2.74	1.46	109.45	13.17	1.18	4.74	1.91	119.30	74.71	1.94	6.74	2.23	161.76	81.99	2.69	8.74	2.09	112.31	70.42	3.44
0.76	2.80	111.99	18.15	0.44	2.76	1.40	106.20	13.47	1.19	4.76	1.91	120.29	74.01	1.94	6.76	2.19	158.49	69.72	2.70	8.76	2.08	117.77	70.62	3.45
0.78	2.59	131.91	19.35	0.44	2.78	1.37	102.97	13.66	1.20	4.78	1.93	118.95	71.71	1.95	6.78	2.21	155.81	67.43	2.71	8.78	2.04	124.38	71.91	3.46
0.80	2.47	130.70	19.85	0.45	2.80	1.35	98.85	14.26	1.20	4.80	1.90	119.05	67.62	1.96	6.80	2.26	149.52	58.05	2.71	8.80	2.06	125.69	72.11	3.47
0.82	2.40	134.24	20.25	0.46	2.82	1.37	93.46	13.66	1.21	4.82	1.87	120.29	64.43	1.97	6.82	1.99	148.02	57.25	2.72	8.82	2.14	126.68	72.31	3.47
0.84	2.36	134.66	20.75	0.47	2.84	1.41	90.01	13.07	1.22	4.84	1.83	118.06	62.24	1.97	6.84	1.94	137.67	57.65	2.73	8.84	2.13	132.21	72.31	3.48
0.86	2.30	141.68	21.15	0.47	2.86	1.50	86.21	12.17	1.23	4.86	1.78	117.00	60.04	1.98	6.86	1.96	126.46	59.55	2.73	8.86	2.10	133.07	72.41	3.49
0.88	2.28	144.75	27.83	0.48	2.88	1.54	87.01	11.77	1.23	4.88	1.76	115.79	58.05	1.99	6.88	1.88	121.54	59.35	2.74	8.88	2.08	132.68	72.61	3.50
0.90	2.25	141.91	29.32	0.49	2.90	1.52	88.99	12.27	1.24	4.90	1.75	116.17	57.05	2.00	6.90	1.84	118.99	92.16	2.75	8.90	2.08	131.41	72.41	3.50
0.92	2.33	144.15	29.22	0.50	2.92	1.49	90.49	13.37	1.25	4.92	1.71	116.24	56.25	2.00	6.92	1.82	112.12	97.25	2.76	8.92	2.08	136.39	72.41	3.51
0.94	2.39	141.15	29.82	0.50	2.94	1.46	92.25	14.46	1.26	4.94	1.65	115.63	57.45	2.01	6.94	1.90								

FERRARA DEPARTMENT

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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: Via Vittorio Veneto - Suo Scuola Cesare Battisti Soragna (PR)
CPT N° SCPTU 2 PROF. FALDA (m da p.c.) 11.00
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0165/22 C. SITO N°: SF221118 del 08/11/22



sismocono G1 - CPL2IN
LA1. (WGS 84): 44.930231°
LONG. (WGS 84): 10.122048°

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	2.45	141.71	81.49	3.93	12.02	2.09	103.61	92.76	4.68	14.02	6.52	170.08	257.53	5.43	16.02	12.60	77.20	517.06	6.19	18.02	15.65	106.73	92.16	6.94
10.04	2.41	144.32	81.49	3.93	12.04	2.06	106.67	92.66	4.69	14.04	6.36	157.69	255.64	5.44	16.04	12.71	77.46	265.01	6.19	18.04	15.99	99.19	52.16	6.95
10.06	2.43	149.44	80.39	3.94	12.06	2.03	109.58	92.36	4.69	14.06	5.96	145.58	252.55	5.45	16.06	12.87	78.61	209.26	6.20	18.06	16.21	93.92	51.17	6.96
10.08	2.45	150.94	80.29	3.95	12.08	2.04	108.50	92.26	4.70	14.08	5.57	135.52	249.05	5.46	16.08	12.93	81.20	183.82	6.21	18.08	16.30	92.10	50.57	6.96
10.10	2.46	150.72	80.69	3.96	12.10	2.05	108.56	92.16	4.71	14.10	5.25	124.15	246.26	5.46	16.10	13.03	84.46	172.75	6.22	18.10	16.24	95.36	50.57	6.97
10.12	2.49	148.36	80.89	3.96	12.12	2.01	107.47	91.86	4.72	14.12	4.81	117.19	242.57	5.47	16.12	13.36	86.34	167.27	6.23	18.12	15.99	94.40	50.67	6.98
10.14	2.54	146.86	82.19	3.97	12.14	2.01	104.79	91.66	4.72	14.14	4.25	121.37	237.98	5.48	16.14	13.88	89.40	166.47	6.23	18.14	15.94	96.03	51.87	6.99
10.16	2.52	146.38	83.68	3.98	12.16	2.00	102.81	91.66	4.73	14.16	3.92	129.67	236.19	5.49	16.16	14.81	93.01	168.66	6.24	18.16	15.94	95.55	53.46	6.99
10.18	2.53	141.75	84.78	3.99	12.18	1.97	103.77	91.56	4.74	14.19	3.82	134.50	236.29	5.49	16.18	16.25	95.60	186.22	6.25	18.18	15.84	95.87	54.56	7.00
10.20	2.49	138.74	85.28	3.99	12.20	1.95	103.23	91.56	4.75	14.20	3.82	135.96	236.69	5.50	16.20	17.45	98.66	183.52	6.26	18.20	15.80	92.23	56.65	7.01
10.22	2.44	133.44	85.28	4.00	12.22	1.93	102.08	91.46	4.76	14.22	3.91	140.85	237.78	5.51	16.22	17.18	104.08	170.76	6.26	18.22	16.15	89.54	60.54	7.02
10.24	2.40	130.54	85.18	4.01	12.24	1.93	99.17	93.36	4.76	14.24	4.05	148.45	239.18	5.52	16.24	17.30	106.53	157.99	6.27	18.24	16.04	90.84	62.84	7.02
10.26	2.39	131.33	85.48	4.02	12.26	1.88	96.87	93.06	4.77	14.26	4.10	154.93	239.78	5.52	16.26	17.25	110.78	151.71	6.28	18.26	16.00	93.52	65.03	7.03
10.28	2.28	126.03	85.18	4.02	12.28	1.88	91.86	93.46	4.78	14.28	4.22	165.71	241.07	5.53	16.28	16.73	114.48	144.72	6.29	18.28	16.28	98.78	68.72	7.04
10.30	2.17	127.53	84.58	4.03	12.30	1.89	88.89	93.86	4.79	14.30	4.32	165.96	244.07	5.54	16.30	16.01	120.20	139.84	6.29	18.30	16.41	94.73	71.71	7.05
10.32	2.04	128.94	84.18	4.04	12.32	1.93	85.03	94.55	4.79	14.32	3.89	174.80	239.78	5.55	16.32	15.22	123.23	134.95	6.30	18.32	16.62	99.13	74.61	7.05
10.34	1.97	127.44	83.68	4.05	12.34	1.94	81.51	95.55	4.80	14.34	3.60	186.73	236.59	5.55	16.34	14.58	126.71	132.26	6.31	18.34	16.77	100.11	77.30	7.06
10.36	1.92	125.61	83.48	4.05	12.36	1.94	79.25	95.75	4.81	14.36	3.60	191.67	237.19	5.56	16.36	13.99	123.10	129.86	6.32	18.36	16.88	103.56	80.29	7.07
10.38	1.87	122.64	83.58	4.06	12.38	1.95	76.95	95.55	4.82	14.38	3.80	186.88	239.68	5.57	16.38	13.43	118.69	127.37	6.33	18.38	16.91	100.17	83.68	7.08
10.40	1.84	121.40	83.98	4.07	12.40	1.98	74.23	95.75	4.82	14.40	3.93	175.84	240.58	5.58	16.40	12.99	112.08	125.57	6.33	18.40	16.51	113.61	84.08	7.08
10.42	1.83	119.55	84.38	4.08	12.42	1.94	75.03	95.95	4.83	14.42	3.87	175.87	239.98	5.58	16.42	12.70	104.31	124.78	6.34	18.42	16.51	109.42	86.28	7.09
10.44	1.77	116.51	84.48	4.08	12.44	1.90	77.11	95.75	4.84	14.44	3.59	180.96	238.18	5.59	16.44	12.36	97.35	123.88	6.35	18.44	16.54	108.91	88.27	7.10
10.46	1.76	112.55	85.28	4.09	12.46	1.82	78.93	95.35	4.85	14.46	3.51	188.64	236.89	5.60	16.46	12.19	90.58	124.08	6.35	18.46	16.74	111.39	90.86	7.11
10.48	1.75	109.04	86.18	4.10	12.48	1.76	78.42	94.95	4.85	14.48	3.67	195.75	238.48	5.61	16.48	12.23	84.66	124.68	6.36	18.48	17.06	112.63	93.76	7.11
10.50	1.70	103.83	87.07	4.11	12.50	1.70	78.80	94.55	4.86	14.50	4.13	183.51	243.87	5.61	16.50	12.24	80.45	124.68	6.37	18.50	17.66	109.41	97.35	7.12
10.52	1.71	97.51	88.47	4.11	12.52	1.66	77.91	94.06	4.87	14.52	4.15	177.68	243.77	5.62	16.52	12.25	81.24	124.68	6.38	18.52	18.35	110.65	101.14	7.13
10.54	1.75	93.45	88.37	4.12	12.54	1.55	77.05	93.56	4.88	14.54	4.02	181.39	242.97	5.63	16.54	12.33	82.10	124.78	6.38	18.54	18.63	106.01	103.03	7.14
10.56	1.78	88.22	88.27	4.13	12.56	1.48	72.74	93.26	4.88	14.56	3.94	183.50	240.78	5.64	16.56	12.37	83.98	124.88	6.39	18.56	18.87	109.04	105.73	7.14
10.58	1.76	86.72	88.17	4.14	12.58	1.46	67.60	92.76	4.89	14.58	4.01	188.63	242.87	5.64	16.58	12.46	84.36	125.08	6.40	18.58	18.82	111.97	106.22	7.15
10.60	1.76	86.21	88.07	4.14	12.60	1.41	63.13	92.86	4.90	14.60	4.19	182.58	245.16	5.65	16.60	12.50	85.67	124.88	6.41	18.60	18.86	115.10	107.02	7.16
10.62	1.77	86.08	87.97	4.15	12.62	1.39	59.97	93.56	4.91	14.62	4.29	172.23	244.77	5.66	16.62	12.67	88.16	125.47	6.42	18.62	18.82	116.18	108.62	7.17
10.64	1.79	86.97	87.87	4.16	12.64	1.41	57.29	94.06	4.91	14.64	4.35	178.99	245.96	5.67	16.64	12.83	91.19	126.37	6.42	18.64	18.86	119.73	107.22	7.18
10.66	1.78	90.13	87.87	4.17	12.66	1.46	53.49	95.55	4.92	14.66	4.53	178.42	247.86	5.67	16.66	12.96	93.46	126.97	6.43	18.66	18.83	120.75	107.62	7.18
10.68	1.82	92.97	87.77	4.17	12.68	1.42	50.52	95.85	4.93	14.68	4.48	176.44	247.36	5.68	16.68	13.18	95.59	128.07	6.44	18.68	18.53	121.16	106.82	7.19
10.70	1.84	95.40	87.67	4.18	12.70	1.44	47.77	97.55	4.94	14.70	4.45	165.68	247.46	5.69	16.70	13.35	96.93	129.07	6.44	18.70	18.09	119.59	106.03	7.20
10.72	1.84	96.52	87.47	4.19	12.72	1.56	45.60	101.84	4.94	14.72	4.36	146.05	247.16	5.70	16.72	13.55	97.25	129.86	6.45	18.72	17.84	118.38	106.03	7.21
10.74	1.84	98.02	87.47	4.20	12.74	1.76	46.28	107.52	4.95	14.74	4.26	138.87	247.16	5.70	16.74	13.77	97.47	130.46	6.46	18.74	17.54	118.25	105.73	7.21
10.76	1.88	99.11	87.47	4.20	12.77	1.95	47.94	108.72	4.96	14.76	4.39	139.03	245.86	5.71	16.76	13.88	97.25	130.56	6.47	18.76	17.49	118.79	107.62	7.22
10.78	1.90	98.76	87.57	4.21	12.78	2.27	49.63	110.51	4.97	14.78	4.37	142.06	247.06	5.72	16.78	13.91	94.38	130.76	6.47	18.78	17.68	116.65	109.32	7.23
10.80	1.90	101.09	87.47	4.22	12.80	2.77	54.36	113.11	4.97	14.80	4.57	158.62	249.05	5.73	16.80	14.04	92.87	131.56	6.48	18.80	17.73	113.51	110.31	7.24
10.82	1.90	104.57	87.57	4.23	12.82	3.03	60.01	114.20	4.98	14.82	4.81	170.61	252.74	5.74	16.82	14.19	92.65	132.56	6.49	18.82	17.74	112.43	111.11	7.24
10.84	1.92	105.43	87.47	4.23	12.84	2.98	59.02	113.31	4.99	14.84	5.08	190.44	253.94	5.74	16.84	14.32	93.80	134.75	6.50	18.84	17.58	113.70	111.41	7.25
10.86	1.92	107.73	88.37	4.24	12.86	2.61	69.62	110.51	5.00	14.86	6.28	202.14	266.31	5.75	16.86	14.46	94.34	135.75	6.50	18.86	17.30	114.72	111.61	7.26
10.88	1.95	108.21	88.37	4.25	12.88	2.49	68.41	109.92	5.00	14.88	7.26	190.50	275.29	5.76	16.88	14.66	91.94	136.94	6.51	18.88	17.00	113.03	111.51	7.27
10.90	1.98	108.91	88.47	4.26	12.90	2.73	72.09	117.99	5.01	14.90	7.99	182.41	283.27	5.77	16.90	14.92	87.95	137.94	6.52	18.90	16.54	110.98	110.81	7.27

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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2

CANTIERE: Via Vittorio Veneto - vicino Scuola Cesare Battisti Soragna (PR)

CPT N° SCPTU 2 PROF. FALDA (m da p.c.) 11.00

DATA 25/10/22 PREFORO (m da p.c.)

COMMESSA 0165/22 C. SITO N°: SF221118 del 08/11/22

sismocono G1 - CPL2IN

LAI. (WGS 84): 44.930231°

LONG. (WGS 84): 10.122048°



prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
20.02	20.54	105.30	24.04	7.70	22.02	17.53	102.33	66.63	8.45	24.02	25.89	105.55	55.16	9.20										
20.04	20.42	103.64	22.94	7.70	22.04	17.68	88.61	60.34	8.46	24.04	23.03	111.04	44.29	9.21										
20.06	20.27	103.20	22.74	7.71	22.06	17.83	82.74	58.55	8.46	24.06	22.33	104.31	46.48	9.22										
20.08	20.12	106.39	23.14	7.72	22.08	17.38	81.53	55.76	8.47	24.08	22.00	121.22	46.58	9.23										
20.10	20.14	110.31	24.44	7.73	22.10	16.55	80.35	52.86	8.48	24.10	19.83	123.87	39.60	9.23										
20.12	19.78	108.68	25.83	7.73	22.12	16.10	76.59	51.47	8.49	24.12	20.31	153.55	43.49	9.24										
20.14	19.09	101.88	26.33	7.74	22.14	15.92	74.06	50.97	8.49	24.14	19.62	171.17	42.39	9.25										
20.16	18.07	95.04	25.63	7.75	22.16	15.89	74.32	51.27	8.50	24.16	19.46	187.06	42.49	9.26										
20.18	16.78	88.33	24.74	7.76	22.18	15.85	72.91	51.57	8.51	24.18	19.26	182.27	42.69	9.26										
20.20	15.09	93.25	24.24	7.76	22.20	15.84	73.10	51.97	8.52	24.20	19.26	182.90	43.39	9.27										
20.22	14.23	96.85	26.13	7.77	22.22	15.66	74.89	52.16	8.52	24.22	19.13	188.94	43.89	9.28										
20.24	14.85	97.51	30.52	7.78	22.24	15.36	76.61	52.16	8.53	24.24	19.02	154.78	43.99	9.29										
20.26	15.27	104.69	35.91	7.79	22.26	15.11	78.46	52.07	8.54	24.26	19.09	132.85	45.18	9.29										
20.28	14.26	179.72	33.81	7.79	22.28	14.96	81.40	52.16	8.55	24.28	18.92	133.58	45.58	9.30										
20.30	14.63	145.77	36.70	7.80	22.30	14.90	82.73	52.36	8.55	24.30	18.64	126.87	45.58	9.31										
20.32	14.59	137.09	38.20	7.81	22.32	14.85	84.23	52.56	8.56	24.32	18.27	122.52	45.28	9.32										
20.34	14.77	133.41	39.90	7.82	22.34	14.79	87.23	52.56	8.57	24.34	17.94	119.13	44.98	9.32										
20.36	15.03	136.38	42.09	7.82	22.36	14.57	88.48	51.67	8.58	24.36	17.53	115.04	44.58	9.33										
20.38	15.32	139.60	43.99	7.83	22.38	14.54	88.10	51.27	8.58	24.38	17.36	112.65	45.38	9.34										
20.40	15.67	142.26	46.08	7.84	22.40	14.78	86.95	51.87	8.59	24.40	17.33	109.96	46.18	9.35										
20.42	15.76	131.59	47.68	7.85	22.42	15.16	87.43	52.96	8.60	24.42	17.32	106.35	46.78	9.35										
20.44	15.77	129.83	49.27	7.85	22.44	15.56	88.22	53.96	8.61	24.44	17.54	104.37	48.37	9.36										
20.46	15.67	133.97	50.47	7.86	22.46	15.89	90.40	54.66	8.61	24.46	17.37	100.47	48.47	9.37										
20.48	15.46	136.26	51.37	7.87	22.48	16.29	91.26	55.76	8.62	24.48	17.31	98.88	49.37	9.38										
20.50	15.22	138.78	52.36	7.88	22.50	16.77	94.80	56.95	8.63	24.50	17.07	98.43	49.37	9.38										
20.52	15.10	139.10	53.36	7.88	22.52	17.25	97.01	58.45	8.64	24.52	16.84	97.12	49.37	9.39										
20.54	15.06	140.79	55.06	7.89	22.54	17.80	100.07	60.04	8.65	24.54	16.81	97.05	50.27	9.40										
20.56	15.06	140.85	56.35	7.90	22.56	18.01	108.60	60.44	8.65	24.56	17.03	97.27	52.07	9.41										
20.58	15.21	141.80	58.75	7.91	22.58	18.33	115.37	61.74	8.66	24.58	17.38	99.63	54.06	9.41										
20.60	15.31	141.16	60.84	7.91	22.60	19.04	119.58	64.33	8.67	24.60	17.66	102.12	55.86	9.42										
20.62	15.45	140.48	63.04	7.92	22.62	19.51	125.74	66.13	8.68	24.62	18.13	103.88	58.05	9.43										
20.64	15.64	141.88	64.93	7.93	22.64	20.67	130.95	70.82	8.68	24.64	18.57	103.34	59.84	9.44										
20.66	15.93	142.14	67.33	7.94	22.66	20.85	137.05	71.12	8.69	24.66	18.95	103.53	61.54	9.44										
20.68	16.49	145.71	70.52	7.94	22.68	20.85	138.71	71.02	8.70	24.68	19.09	106.21	62.44	9.45										
20.70	17.45	149.54	74.91	7.95	22.70	20.61	137.17	70.02	8.71	24.70	19.19	107.42	63.24	9.46										
20.72	19.02	153.87	80.99	7.96	22.72	19.96	133.57	67.82	8.71	24.72	19.26	108.12	64.13	9.47										
20.74	20.03	150.17	85.88	7.97	22.74	19.24	131.62	66.13	8.72	24.74	19.37	107.96	64.93	9.47										
20.76	20.78	148.82	89.47	7.97	22.76	18.67	129.76	64.93	8.73	24.76	19.03	107.17	64.23	9.48										
20.78	21.18	153.39	90.96	7.98	22.78	18.16	125.07	64.23	8.74	24.78	18.22	112.69	62.74	9.49										
20.80	20.73	185.77	88.67	7.99	22.80	17.72	119.22	63.73	8.74	24.80	17.54	115.72	61.44	9.50										
20.82	20.65	168.21	90.57	8.00	22.82	17.07	111.11	62.34	8.75	24.82	17.33	108.67	61.54	9.50										
20.84	20.20	164.72	89.97	8.00	22.84	16.23	106.54	60.74	8.76	24.84	17.73	110.01	63.93	9.51										
20.86	19.47	155.78	87.87	8.01	22.86	15.04	101.53	58.25	8.77	24.86	18.55	117.76	64.43	9.52										
20.88	17.99	149.17	83.98	8.02	22.88	14.54	97.44	58.25	8.77	24.88	20.09	122.23	60.24	9.53										
20.90	16.59	142.24	79.79	8.03	22.90	14.26	96.35	58.15	8.78	24.90	22.08	117.98	55.56	9.53										
20.92	15.59	134.51	77.10	8.03	22.92	14.49	96.57	60.54	8.79	24.92	23.79	121.52	55.66	9.54										
20.94	15.37	123.65	77.50	8.04	22.94	14.24	97.98	59.25	8.80	24.94	26.37	121.81	50.77	9.55										
20.96	15.52	114.20	79.39	8.05	22.96	14.32	111.77	60.14	8.80	24.96	29.26	138.69	58.85	9.56										
20.98	15.83	109.40	81.69	8.06	22.98	14.23	97.31	59.55	8.81															
21.00	16.23	107.10	84.28	8.06	23.00	14.22	85.84	59.55	8.82															
21.02	16.73	104.21	84.43	8.07	23.02	13.69	80.03	57.35	8.83															
21.04	17.76	105.94	84.23	8.08	23.04	14.27	72.81	39.50	8.83															
21.06	18.57	114.15	84.93	8.09	23.06	14.44	70.20	38.20	8.84															
21.08	19.24	123.60	86.13	8.09	23.08	14.64	72.43	38.50	8.85															
21.10	19.82	127.69	87.13	8.10	23.10	14.35	69.94	37.00	8.86															
21.12	20.19	129.55	88.62	8.11	23.12	14.52	77.77	36.90	8.86															
21.14	20.06	135.16	88.62	8.12	23.14	14.80	74.13	37.60	8.87															
21.16	19.95	139.73	89.02	8.12	23.16	15.04	71.61	37.80	8.88															
21.18	19.92	140.59	89.72	8.13	23.18	15.43	69.69	38.90	8.89															
21.20	19.71	138.83	88.9																					

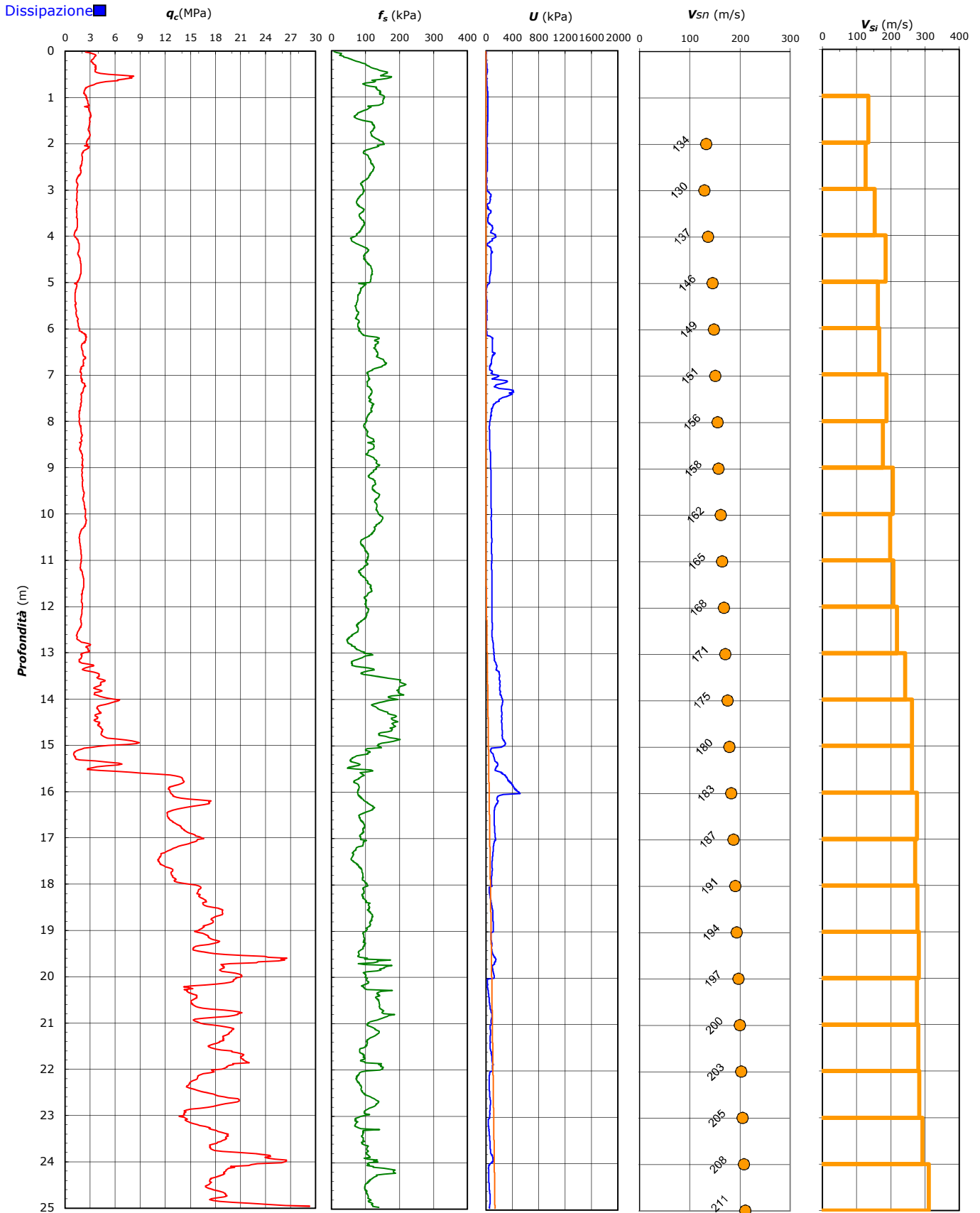
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: Via Vittorio Veneto - vicino Scuola Cesare Battisti Soragna (PR)
 CPT N° SCPTU 2 PROF. FALDA (m da p.c.) 11.00
 DATA 25/10/22 PREFORO (m da p.c.)
 COMMESSA 0165/22 C. SITO N°: SF221118 del 08/11/22



sismocono G1 - CPL2IN
 LAI. (WGS 84): 44.930231°
 LONG. (WGS 84): 10.122048°



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CPT N° SCPTU 2 PROF. FALDA (m da p.c.) 11.00

DATA 25/10/22 PREFORO (m da p.c.)

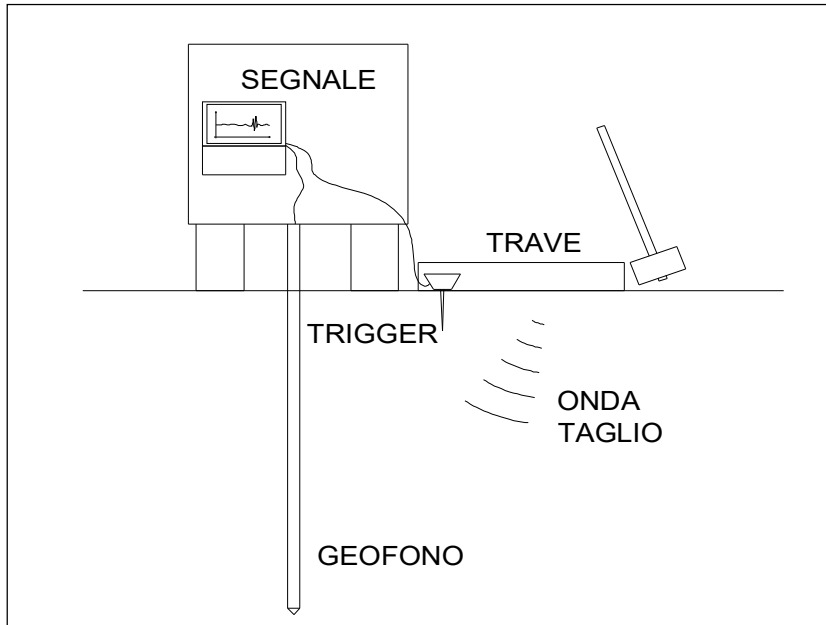
COMMESSA 0165/22 C. SITO N°:

SF221118 del 08/11/22

sismocono G1 - CPL2IN
LAT. (WGS 84): 44.930231°
LONG. (WGS 84): 10.122048°



Prova Down Hole ASTM D 7400



Profondità (m)	Ts (ms)	L (m)	Vs (m/s)	Vis (m/s)
1.0	T0	1.30	-	-
2.0	7.48	2.30	134	134
3.0	15.39	3.30	130	126
4.0	21.95	4.30	137	152
5.0	27.37	5.29	146	184
6.0	33.52	6.29	149	162
7.0	39.54	7.29	151	166
8.0	44.87	8.29	156	187
9.0	50.51	9.28	158	176
10.0	55.34	10.28	162	206
11.0	60.37	11.27	165	198
12.0	65.15	12.26	168	208
13.0	69.72	13.26	171	217
14.0	73.81	14.25	175	242
15.0	77.60	15.24	180	261
16.0	81.37	16.22	183	262
17.0	84.94	17.21	187	277
18.0	88.58	18.19	191	270
19.0	92.13	19.18	194	278
20.0	95.61	20.16	197	282
21.0	99.16	21.14	200	276
22.0	102.65	22.12	203	280
23.0	106.10	23.10	205	283
24.0	109.45	24.07	208	292
25.0	112.58	25.04	211	311

CATEGORIA SOTTOSUOLO

Intervallo di profondità considerato per il calcolo della Vs30: m 1.0 - 25.0

- D = Distanza centro trave generatrice onde di taglio - verticale di prova m = 1.00
- Profondità = Profondità punta da piano campagna
- Ts = Tempo percorrenza onda di taglio
- L = Lunghezza percorso onda di taglio
- Vs = Velocità onde di taglio da piano campagna alla profondità ind = 25.0 m
- Vis = Velocità onde di taglio nello strato di terreno compreso fra le due profondità indicate

FERRARA DEPARTMENT

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Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)
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COMMITTENTE: **ENGEO S.r.l. - -Via Suor Maria Adorni, 2**

CANTIERE: **Via Vittorio Veneto - vicino Scuola Cesare Battisti Soragna (PR)**

CPT N° SCPTU 2 PROF. FALDA (m da p.c.) 11.00
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0165/22 C. SITO N°: SF221118 del 08/11/22

sismocono G1 - CPL2IN
LAT. (WGS 84): 44.930231°
LONG. (WGS 84): 10.122048°



UBICAZIONE

Località: Via Vittorio Veneto - vicino Scuola Cesare Battisti Soragna (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2

CANTIERE: Strada della zecca - 43019 Carzeto (PR) -

CPT N° SCPTU 3 PROF. FALDA (m da p.c.) n.r.

DATA 25/10/22 PREFORO (m da p.c.)

COMMESSA 0345/22 C. SITO N°: SF221119 del 08/11/22

sismocono G1 - CPL2IN

LA1. (WGS 84): 44.939717°

LONG. (WGS 84): 10.166052°



prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
0.02	1.73	14.62	4.19	0.12	2.02	0.87	34.28	37.30	1.01	4.02	0.99	61.62	7.08	1.90	6.02	1.23	69.33	52.26	2.79	8.02	1.43	88.37	23.04	3.68
0.04	2.00	25.16	3.59	0.13	2.04	0.87	37.09	35.21	1.02	4.04	0.97	62.80	5.69	1.91	6.04	1.22	69.17	51.77	2.80	8.04	1.44	91.78	23.74	3.69
0.06	2.09	33.94	4.29	0.14	2.06	0.87	37.09	28.93	1.03	4.06	0.98	61.91	4.89	1.92	6.06	1.20	69.88	51.37	2.81	8.06	1.40	99.13	24.34	3.70
0.08	2.10	45.18	5.39	0.15	2.08	0.85	37.54	38.80	1.04	4.08	0.97	63.00	4.49	1.93	6.08	1.20	68.89	51.37	2.82	8.08	1.35	105.35	24.54	3.70
0.10	1.91	58.33	7.48	0.16	2.10	0.84	37.63	75.80	1.05	4.10	0.93	65.26	4.39	1.94	6.10	1.22	66.88	52.56	2.82	8.10	1.41	104.69	33.31	3.71
0.12	1.88	68.42	8.38	0.17	2.12	0.92	33.29	94.16	1.06	4.12	0.93	67.24	4.19	1.95	6.12	1.24	64.51	53.86	2.83	8.12	1.42	105.24	33.11	3.72
0.14	1.91	80.46	9.58	0.18	2.14	0.92	33.33	117.89	1.07	4.14	0.96	67.66	3.99	1.95	6.14	1.31	59.82	296.43	2.84	8.14	1.42	105.99	33.91	3.73
0.16	1.88	88.19	10.37	0.19	2.16	0.88	31.96	91.76	1.08	4.16	0.93	66.57	3.89	1.96	6.16	1.38	56.95	234.39	2.85	8.16	1.42	104.79	33.51	3.74
0.18	1.90	95.85	11.37	0.20	2.18	0.94	29.98	47.38	1.08	4.18	0.93	64.91	3.09	1.97	6.18	1.40	54.87	213.05	2.86	8.18	1.41	105.81	33.21	3.75
0.20	1.94	105.37	17.26	0.20	2.20	0.88	32.72	60.14	1.09	4.20	0.90	64.40	2.29	1.98	6.20	1.47	54.49	185.52	2.87	8.20	1.41	107.12	33.01	3.76
0.22	2.08	114.34	18.45	0.21	2.22	0.88	36.68	72.31	1.10	4.22	0.90	63.76	1.90	1.99	6.22	1.51	55.86	87.87	2.88	8.22	1.45	105.75	33.31	3.77
0.24	2.05	122.55	19.45	0.22	2.24	0.92	37.68	84.88	1.11	4.24	0.89	63.63	1.60	2.00	6.24	1.52	56.98	80.09	2.89	8.24	1.48	107.33	33.41	3.78
0.26	1.99	123.68	20.25	0.23	2.26	1.17	40.14	102.33	1.12	4.26	0.88	64.27	1.50	2.01	6.26	1.53	61.45	49.67	2.90	8.26	1.44	104.85	33.91	3.78
0.28	1.98	124.03	20.95	0.24	2.28	1.36	39.50	52.86	1.13	4.28	0.91	63.44	1.40	2.02	6.28	1.57	66.56	38.80	2.90	8.28	1.46	103.22	33.41	3.79
0.30	1.93	118.96	21.74	0.25	2.30	1.40	35.48	20.35	1.14	4.30	0.91	64.82	1.20	2.03	6.30	1.64	70.01	30.92	2.91	8.30	1.48	102.01	33.01	3.80
0.32	1.88	112.41	22.54	0.26	2.32	1.09	38.73	14.56	1.15	4.32	0.91	66.16	1.20	2.03	6.32	1.68	75.02	33.31	2.92	8.32	1.47	102.62	33.51	3.81
0.34	1.84	109.93	23.24	0.27	2.34	0.86	39.34	14.86	1.16	4.34	0.92	66.25	1.20	2.04	6.34	1.66	80.16	33.11	2.93	8.34	1.47	102.87	33.81	3.82
0.36	1.94	110.02	23.34	0.28	2.36	0.74	40.62	26.53	1.16	4.36	0.95	66.22	1.00	2.05	6.36	1.69	86.45	35.01	2.94	8.36	1.49	102.36	33.61	3.83
0.38	1.72	101.05	24.94	0.28	2.38	0.70	41.19	52.86	1.17	4.38	0.99	68.26	1.80	2.06	6.38	1.71	89.90	32.12	2.95	8.38	1.50	101.24	34.61	3.84
0.40	1.67	103.64	25.33	0.29	2.40	0.71	35.29	66.03	1.18	4.40	1.03	66.73	1.80	2.07	6.40	1.70	91.37	32.32	2.96	8.40	1.50	101.08	34.91	3.85
0.42	1.68	108.12	26.13	0.30	2.42	0.74	33.44	64.43	1.19	4.43	1.08	65.30	1.60	2.08	6.42	1.72	93.38	32.81	2.97	8.42	1.51	102.77	34.71	3.86
0.44	1.58	109.46	26.63	0.31	2.44	0.72	31.46	52.36	1.20	4.44	1.08	65.30	1.30	2.09	6.44	1.77	96.13	33.51	2.98	8.44	1.49	104.98	34.61	3.86
0.46	1.61	108.39	27.23	0.32	2.46	0.71	30.05	51.47	1.21	4.46	1.07	65.33	0.90	2.10	6.46	1.79	98.62	34.21	2.98	8.46	1.47	106.03	35.51	3.87
0.48	1.49	109.12	28.23	0.33	2.48	0.72	29.57	47.48	1.22	4.48	1.09	65.52	0.60	2.11	6.48	1.80	99.74	34.11	2.99	8.48	1.49	106.95	35.91	3.88
0.50	1.57	111.78	28.43	0.34	2.50	0.83	28.49	56.85	1.23	4.50	1.12	66.22	0.20	2.11	6.50	1.79	101.97	34.11	3.00	8.50	1.52	107.43	35.71	3.89
0.52	1.61	117.81	28.63	0.35	2.52	1.18	27.31	62.74	1.24	4.52	1.15	66.25	0.20	2.12	6.52	1.74	103.76	93.76	3.01	8.52	1.54	106.95	35.11	3.90
0.54	1.58	114.24	29.02	0.36	2.54	1.23	26.70	28.33	1.24	4.54	1.15	67.18	0.90	2.13	6.54	1.69	103.57	76.20	3.02	8.54	1.52	108.33	34.21	3.91
0.56	1.60	115.74	29.12	0.36	2.56	1.10	26.61	16.56	1.25	4.56	1.15	67.76	2.39	2.14	6.56	1.70	102.23	87.47	3.03	8.56	1.52	110.50	34.01	3.92
0.58	1.62	116.86	29.32	0.37	2.58	0.93	32.99	11.17	1.26	4.58	1.11	69.83	3.09	2.15	6.58	1.72	102.10	79.00	3.04	8.58	1.53	112.38	34.01	3.93
0.60	1.62	118.30	29.42	0.38	2.60	0.79	37.72	38.40	1.27	4.60	1.05	71.40	3.79	2.16	6.60	1.75	99.54	89.37	3.05	8.60	1.57	113.78	34.51	3.94
0.62	1.63	119.90	29.52	0.39	2.62	0.84	34.40	86.28	1.28	4.62	1.05	72.61	4.09	2.17	6.62	1.73	100.18	96.95	3.06	8.62	1.59	117.55	34.61	3.94
0.64	1.71	125.65	29.72	0.40	2.64	0.94	32.80	102.33	1.29	4.64	1.03	71.88	3.99	2.18	6.64	1.75	99.80	88.57	3.06	8.64	1.60	120.81	34.61	3.95
0.66	1.73	130.92	30.12	0.41	2.66	0.87	36.67	69.42	1.30	4.66	1.06	69.32	3.89	2.19	6.66	1.72	99.73	83.48	3.07	8.66	1.62	122.34	34.61	3.96
0.68	1.74	132.61	30.92	0.42	2.68	0.71	35.42	44.68	1.31	4.68	1.06	67.34	3.99	2.19	6.68	1.71	99.83	84.58	3.08	8.68	1.61	120.04	34.21	3.97
0.70	1.72	133.00	31.72	0.43	2.70	0.65	31.72	36.90	1.32	4.70	1.06	64.95	4.09	2.20	6.70	1.70	101.26	87.67	3.09	8.70	1.59	120.07	33.71	3.98
0.72	1.72	133.77	31.92	0.44	2.72	0.60	30.86	38.90	1.32	4.72	1.02	64.18	4.49	2.21	6.72	1.69	102.64	80.99	3.10	8.72	1.64	114.26	33.71	3.99
0.74	1.69	133.55	32.42	0.44	2.74	0.55	29.94	45.58	1.33	4.74	1.03	61.56	4.49	2.22	6.74	1.69	104.20	78.70	3.11	8.74	1.64	112.28	33.71	4.00
0.76	1.69	134.31	32.72	0.45	2.76	0.56	29.11	56.05	1.34	4.76	1.02	58.98	2.89	2.23	6.77	1.66	105.38	79.09	3.12	8.76	1.66	113.87	34.11	4.01
0.78	1.66	137.54	33.01	0.46	2.78	0.56	26.94	57.35	1.35	4.78	1.04	57.83	0.30	2.24	6.78	1.66	105.64	79.19	3.13	8.78	1.69	116.81	35.11	4.02
0.80	1.63	135.24	33.51	0.47	2.80	0.57	25.98	49.97	1.36	4.80	1.07	58.31	0.20	2.25	6.80	1.67	106.08	78.50	3.14	8.80	1.75	117.03	35.31	4.02
0.82	1.63	134.45	33.81	0.48	2.82	0.61	25.18	33.51	1.37	4.82	1.09	61.47	0.10	2.26	6.82	1.65	107.39	80.19	3.14	8.82	1.77	118.50	34.71	4.03
0.84	1.58	132.73	34.21	0.49	2.84	0.66	25.25	38.60	1.38	4.84	1.09	63.93	0.20	2.27	6.84	1.65	108.29	79.39	3.15	8.84	1.77	116.55	34.21	4.04
0.86	1.53	130.68	34.61	0.50	2.86	0.67	26.30	38.80	1.39	4.86	1.10	63.93	0.60	2.27	6.86	1.64	108.60	79.19	3.16	8.86	1.74	118.28	33.51	4.05
0.88	1.53	129.50	34.91	0.51	2.88	0.72	28.54	38.40	1.39	4.88	1.12	64.51	1.80	2.28	6.88	1.61	108.80	78.10	3.17	8.88	1.71	123.06	32.72	4.06
0.90	1.30	123.49	24.24	0.52	2.90	0.82	30.90	36.61	1.40	4.90	1.17	64.91	14.16	2.29	6.90	1.59	108.03	76.00	3.18	8.90	1.68	126.83	33.81	4.07
0.92	1.46	125.28	25.63	0.52	2.92	0.89	36.03	12.57	1.41	4.92	1.16	65.58	13.66	2.30	6.92	1.57	106.02	75.80	3.19	8.92	1.73	126.54	33.71	4.08
0.94	1.44	117.68	26.93	0.53	2.9																			

FERRARA DEPARTMENT

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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2

CANTIERE: Strada della zecca - 43019 Carzeto (PR) -

CPT N° SCPTU 3 PROF. FALDA (m da p.c.) n.r.

DATA 25/10/22 PREFORO (m da p.c.)

COMMESSA 0345/22 C. SITO N°:

SF221119 del 08/11/22 LAI. (WGS 84): 44.939717°
LONG. (WGS 84): 10.166052°



prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi					
10.02	1.60	115.65	27.43	4.57	12.02	2.23	95.90	40.30	5.45	14.02	20.61	113.85	176.74	6.34	16.02	21.50	125.34	22.54	7.23	18.02	20.61	113.85	176.74	6.34	20.02	20.61	113.85	176.74	6.34
10.04	1.57	112.75	26.73	4.57	12.04	2.05	101.14	37.80	5.46	14.04	20.00	113.32	137.34	6.35	16.04	21.73	126.45	26.53	7.24	18.04	20.00	113.32	137.34	6.35	20.04	20.00	113.32	137.34	6.35
10.06	1.54	112.14	26.23	4.58	12.06	1.83	96.83	49.27	5.47	14.06	19.74	112.14	130.36	6.36	16.06	21.78	125.24	31.02	7.25	18.06	19.74	112.14	130.36	6.36	20.06	19.74	112.14	130.36	6.36
10.08	1.50	109.43	27.53	4.59	12.08	1.67	95.08	30.52	5.48	14.08	19.76	110.44	130.16	6.37	16.08	21.73	121.18	35.21	7.26	18.08	19.76	110.44	130.16	6.37	20.08	19.76	110.44	130.16	6.37
10.10	1.52	112.72	30.32	4.60	12.10	1.57	96.29	29.32	5.49	14.10	19.73	111.59	130.76	6.38	16.10	21.56	119.70	39.50	7.27	18.10	19.73	111.59	130.76	6.38	20.10	19.73	111.59	130.76	6.38
10.12	1.55	112.56	30.12	4.61	12.12	1.39	97.38	25.83	5.50	14.12	19.34	113.83	128.17	6.39	16.12	21.68	121.90	45.08	7.28	18.12	19.34	113.83	128.17	6.39	20.12	19.34	113.83	128.17	6.39
10.14	1.52	112.91	29.72	4.62	12.14	1.33	95.59	24.04	5.51	14.14	19.05	113.35	127.77	6.40	16.14	21.60	122.85	48.57	7.29	18.14	19.05	113.35	127.77	6.40	20.14	19.05	113.35	127.77	6.40
10.16	1.53	109.97	29.32	4.63	12.16	1.23	91.47	24.14	5.52	14.16	18.69	110.47	126.47	6.40	16.16	21.42	121.48	49.87	7.29	18.16	18.69	110.47	126.47	6.40	20.16	18.69	110.47	126.47	6.40
10.18	1.52	106.17	28.63	4.64	12.18	1.09	91.38	25.33	5.52	14.18	18.40	105.62	126.47	6.41	16.18	21.61	121.19	51.57	7.30	18.18	18.40	105.62	126.47	6.41	20.18	18.40	105.62	126.47	6.41
10.20	1.48	105.76	27.93	4.65	12.20	1.03	90.35	25.83	5.53	14.20	18.45	104.62	130.26	6.42	16.20	21.69	120.61	52.76	7.31	18.20	18.45	104.62	130.26	6.42	20.20	18.45	104.62	130.26	6.42
10.22	1.47	104.86	27.53	4.65	12.22	0.95	90.41	26.13	5.54	14.22	18.85	103.15	137.44	6.43	16.22	21.70	119.18	54.56	7.32	18.22	18.85	103.15	137.44	6.43	20.22	18.85	103.15	137.44	6.43
10.24	1.45	104.61	26.93	4.66	12.24	0.89	90.17	27.93	5.55	14.24	19.39	101.36	144.43	6.44	16.24	21.66	118.79	56.05	7.33	18.24	19.39	101.36	144.43	6.44	20.24	19.39	101.36	144.43	6.44
10.26	1.42	106.14	26.43	4.67	12.26	0.85	85.28	28.03	5.56	14.26	19.93	99.25	152.11	6.45	16.26	21.70	117.86	57.35	7.34	18.26	19.93	99.25	152.11	6.45	20.26	19.93	99.25	152.11	6.45
10.28	1.43	105.79	26.03	4.68	12.28	1.23	77.81	28.13	5.57	14.28	20.60	101.06	159.49	6.46	16.28	21.59	116.62	57.95	7.35	18.28	20.60	101.06	159.49	6.46	20.28	20.60	101.06	159.49	6.46
10.30	1.43	104.32	25.63	4.69	12.30	0.80	69.16	28.93	5.58	14.30	21.29	105.40	164.57	6.47	16.30	21.55	116.17	59.75	7.35	18.30	21.29	105.40	164.57	6.47	20.30	21.29	105.40	164.57	6.47
10.32	1.42	106.49	25.53	4.70	12.32	0.78	59.00	28.83	5.59	14.32	21.51	112.00	164.57	6.48	16.32	21.58	115.43	61.94	7.36	18.32	21.51	112.00	164.57	6.48	20.32	21.51	112.00	164.57	6.48
10.34	1.42	104.35	25.04	4.71	12.34	0.78	52.52	29.52	5.60	14.34	21.36	115.67	161.58	6.48	16.34	21.72	114.79	64.53	7.37	18.34	21.36	115.67	161.58	6.48	20.34	21.36	115.67	161.58	6.48
10.36	1.44	104.00	25.13	4.72	12.36	0.79	47.09	32.22	5.60	14.36	20.94	119.66	156.20	6.49	16.36	21.74	113.67	67.13	7.38	18.36	20.94	119.66	156.20	6.49	20.36	20.94	119.66	156.20	6.49
10.38	1.43	102.97	25.43	4.73	12.38	0.87	43.07	33.71	5.61	14.38	20.28	121.48	149.21	6.50	16.38	21.69	111.62	68.42	7.39	18.38	20.28	121.48	149.21	6.50	20.38	20.28	121.48	149.21	6.50
10.40	1.45	99.62	25.43	4.73	12.40	0.93	40.55	34.71	5.62	14.40	19.83	123.78	146.22	6.51	16.40	21.73	112.03	69.92	7.40	18.40	19.83	123.78	146.22	6.51	20.40	19.83	123.78	146.22	6.51
10.42	1.46	98.73	25.43	4.74	12.42	1.03	40.26	36.01	5.63	14.42	19.89	120.01	146.42	6.52	16.42	21.71	112.48	70.72	7.41	18.42	19.89	120.01	146.42	6.52	20.42	19.89	120.01	146.42	6.52
10.44	1.44	100.55	25.23	4.75	12.44	1.14	38.83	37.50	5.64	14.44	19.97	125.98	148.61	6.53	16.44	21.56	114.11	71.22	7.42	18.44	19.97	125.98	148.61	6.53	20.44	19.97	125.98	148.61	6.53
10.46	1.42	101.79	25.04	4.76	12.46	1.28	39.98	39.10	5.65	14.46	19.99	121.09	147.32	6.54	16.46	21.52	115.44	71.61	7.43	18.46	19.99	121.09	147.32	6.54	20.46	19.99	121.09	147.32	6.54
10.48	1.39	101.47	24.74	4.77	12.48	1.35	42.02	39.60	5.66	14.48	19.62	118.53	144.43	6.55	16.48	21.29	115.64	68.92	7.43	18.48	19.62	118.53	144.43	6.55	20.48	19.62	118.53	144.43	6.55
10.50	1.38	100.70	24.34	4.78	12.50	1.47	45.09	40.89	5.67	14.50	19.15	115.49	140.93	6.56	16.50	21.17	113.34	62.34	7.44	18.50	19.15	115.49	140.93	6.56	20.50	19.15	115.49	140.93	6.56
10.52	1.40	98.69	24.24	4.79	12.52	1.69	47.84	43.59	5.68	14.52	19.05	111.82	140.54	6.56	16.52	21.30	110.88	59.05	7.45	18.52	19.05	111.82	140.54	6.56	20.52	19.05	111.82	140.54	6.56
10.54	1.40	98.69	24.34	4.80	12.54	1.88	48.38	45.28	5.68	14.54	19.26	110.95	143.13	6.57	16.54	21.08	109.70	53.46	7.46	18.54	19.26	110.95	143.13	6.57	20.54	19.26	110.95	143.13	6.57
10.56	1.42	97.03	24.44	4.81	12.56	1.96	53.30	45.88	5.69	14.56	19.39	111.43	142.23	6.58	16.56	20.92	109.07	50.87	7.47	18.56	19.39	111.43	142.23	6.58	20.56	19.39	111.43	142.23	6.58
10.58	1.45	96.93	24.44	4.81	12.58	1.92	59.02	45.38	5.70	14.58	19.34	107.44	139.24	6.59	16.58	20.82	108.49	49.67	7.48	18.58	19.34	107.44	139.24	6.59	20.58	19.34	107.44	139.24	6.59
10.60	1.50	96.68	24.74	4.82	12.60	2.23	60.65	49.47	5.71	14.60	18.97	103.92	134.25	6.60	16.60	20.61	108.17	47.18	7.49	18.60	18.97	103.92	134.25	6.60	20.60	18.97	103.92	134.25	6.60
10.62	1.49	96.42	24.74	4.83	12.62	3.42	67.58	62.54	5.72	14.62	18.60	101.72	129.96	6.61	16.62	20.94	109.80	47.38	7.50	18.62	18.60	101.72	129.96	6.61	20.62	18.60	101.72	129.96	6.61
10.64	1.47	97.54	24.54	4.84	12.64	5.07	75.24	77.30	5.73	14.64	18.32	100.15	126.87	6.62	16.64	20.99	108.20	46.08	7.51	18.64	18.32	100.15	126.87	6.62	20.64	18.32	100.15	126.87	6.62
10.66	1.48	98.94	24.54	4.85	12.66	6.29	72.69	87.87	5.74	14.66	18.31	104.18	127.17	6.63	16.66	20.94	105.58	45.98	7.51	18.66	18.31	104.18	127.17	6.63	20.66	18.31	104.18	127.17	6.63
10.68	1.44	99.39	24.44	4.86	12.68	7.32	77.71	97.75	5.75	14.68	18.51	107.91	128.57	6.64	16.68	20.72	104.69	45.88	7.52	18.68	18.51	107.91	128.57	6.64	20.68	18.51	107.91	128.57	6.64
10.70	1.45	99.29	24.44	4.87	12.70	8.17	80.04	107.12	5.76	14.70	18.64	107.98	127.57	6.64	16.70	20.24	103.86	45.88	7.53	18.70	18.64	107.98	127.57	6.64	20.70	18.64	107.98	127.57	6.64
10.72	1.45	99.32	24.34	4.88	12.72	9.04	73.46	117.50	5.76	14.72	18.63	108.55	123.98	6.65	16.72	20.12	104.14	48.67	7.54	18.72	18.63	108.55	123.98	6.65	20.72	18.63	108.55	123.98	6.65
10.74	1.46	99.93	24.34	4.89	12.74	9.41	67.88	124.08	5.77	14.74	18.52	106.38	120.09	6.66	16.74	19.98	104.11	50.47	7.55	18.74	18.52	106.38	120.09	6.66	20.74	18.52	1		

FERRARA DEPARTMENT
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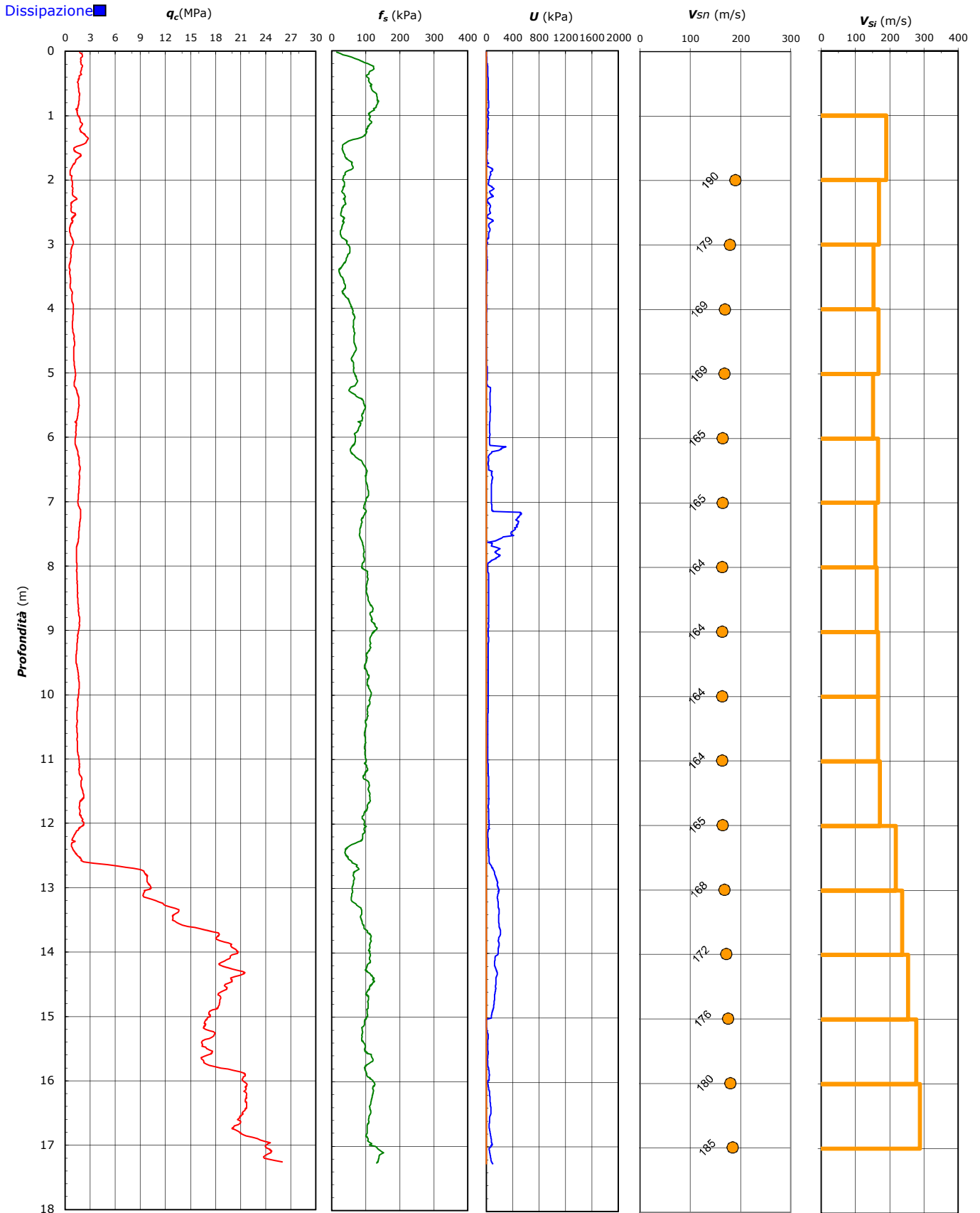
SOCOTEC ITALIA Srl – P.Iva 01872430648
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2

CANTIERE: Strada della zecca - 43019 Carzeto (PR) -
 CPT N° SCPTU 3 PROF. FALDA (m da p.c.) n.r.
 DATA 25/10/22 PREFORO (m da p.c.)
 COMMESSA 0345/22 C. SITO N°:

SF221119 del 08/11/22

sismocono G1 - CPL2IN
 LAT. (WGS 84): 44.939717°
 LONG. (WGS 84): 10.166052°



FERRARA DEPARTMENT

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CANTIERE: Strada della zecca - 43019 Carzeto (PR) -

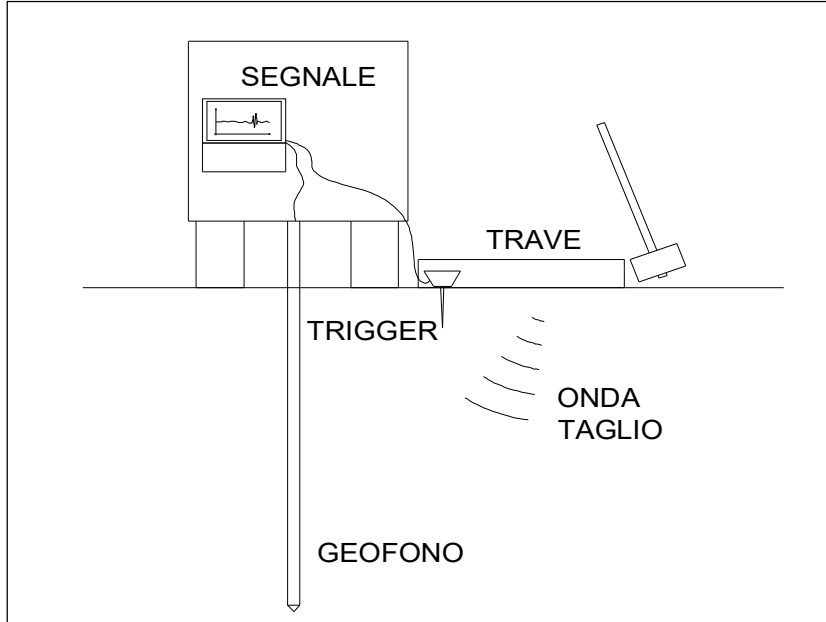
CPT N° SCPTU 3 PROF. FALDA (m da p.c.) n.r.
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0345/22 C. SITO N°:

SF221119 del 08/11/22

sismocono G1 - CPL2IN
LAT. (WGS 84): 44.939717°
LONG. (WGS 84): 10.166052°



Prova Down Hole ASTM D 7400



Profondità (m)	Ts (ms)	L (m)	Vs (m/s)	Vis (m/s)
1.0	T0	1.30	-	-
2.0	5.25	2.30	190	190
3.0	11.16	3.30	179	169
4.0	17.72	4.30	169	152
5.0	23.69	5.29	169	167
6.0	30.29	6.29	165	151
7.0	36.31	7.29	165	166
8.0	42.64	8.29	164	157
9.0	48.78	9.28	164	162
10.0	54.76	10.28	164	166
11.0	60.73	11.27	164	167
12.0	66.51	12.26	165	172
13.0	71.08	13.26	168	217
14.0	75.28	14.25	172	236
15.0	79.18	15.24	176	253
16.0	82.74	16.22	180	278
17.0	86.17	17.21	185	288

CATEGORIA SOTTOSUOLO

Intervallo di profondità considerato per il calcolo della Vs30: m 1.0 - 17.0

- D = Distanza centro trave generatrice onde di taglio - verticale di prova m = 1.00
- Profondità = Profondità punta da piano campagna
- Ts = Tempo percorrenza onda di taglio
- L = Lunghezza percorso onda di taglio
- Vs = Velocità onde di taglio da piano campagna alla profondità ind = 17.0 m
- Vis = Velocità onde di taglio nello strato di terreno compreso fra le due profondità indicate

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CANTIERE: Strada della zecca - 43019 Carzeto (PR) -

CPT N° SCPTU 3 PROF. FALDA (m da p.c.) n.r.
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0345/22 C. SITO N°:

SF221119 del 08/11/22

sismocono G1 - CPL2IN
LAT. (WGS 84): 44.939717°
LONG. (WGS 84): 10.166052°



UBICAZIONE

Località: Strada della zecca - 43019 Carzeto (PR) -



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2****CANTIERE: SP59 - Chiesa Santa Caterina Vergine - 43019 Diolo (PR)**

CPT N° SCPTU 4 PROF. FALDA (m da p.c.) 7,50

DATA 26/10/22 PREFORO (m da p.c.)

COMMESSA 0345/22 C. SITO N°:

SF221120 del 08/11/22

LAI. (WGS 84): 44.966936°

LONG. (WGS 84): 10.148880°



prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
0.02	1.41	5.40	2.69	0.01	2.02	2.26	132.53	13.37	0.73	4.02	1.86	105.88	13.47	1.46	6.02	1.45	51.72	5.39	2.18	8.02	1.43	85.24	97.25	2.90
0.04	2.00	15.48	4.09	0.02	2.04	2.11	124.45	14.26	0.74	4.04	1.82	105.18	11.07	1.46	6.04	1.46	54.27	5.29	2.19	8.04	1.38	83.19	96.15	2.91
0.06	2.35	27.81	4.59	0.02	2.06	2.03	121.45	14.56	0.75	4.06	1.82	105.22	1.40	1.47	6.06	1.48	56.86	4.99	2.19	8.06	1.36	81.34	95.75	2.92
0.08	2.51	31.58	4.89	0.03	2.08	1.86	118.03	15.46	0.75	4.08	1.79	104.23	22.54	1.48	6.08	1.49	60.11	4.19	2.20	8.08	1.33	81.05	95.45	2.92
0.10	2.50	32.60	4.19	0.04	2.10	1.74	109.41	14.96	0.76	4.10	1.76	104.61	12.97	1.49	6.10	1.45	62.60	1.99	2.21	8.10	1.37	81.77	95.75	2.93
0.12	2.43	35.22	4.09	0.05	2.12	1.74	101.62	15.06	0.77	4.12	1.77	102.92	17.36	1.49	6.12	1.41	62.76	11.77	2.22	8.12	1.47	75.90	96.55	2.94
0.14	2.41	27.81	3.49	0.05	2.14	1.76	93.70	15.16	0.78	4.14	1.80	100.59	23.84	1.50	6.14	1.38	63.31	32.52	2.22	8.14	1.36	78.94	94.75	2.95
0.16	2.55	28.77	4.19	0.06	2.16	1.84	90.95	14.86	0.78	4.16	1.79	98.84	22.74	1.51	6.16	1.32	61.94	28.53	2.23	8.16	1.37	77.46	94.06	2.95
0.18	2.51	30.81	4.39	0.07	2.18	1.91	92.87	14.36	0.79	4.18	1.75	98.68	11.77	1.51	6.18	1.29	61.04	25.43	2.24	8.18	1.39	75.16	93.86	2.96
0.20	2.43	29.53	3.99	0.07	2.20	2.01	98.90	14.06	0.80	4.20	1.71	97.98	0.40	1.52	6.20	1.24	62.70	17.16	2.24	8.20	1.43	74.53	93.86	2.97
0.22	2.36	29.47	4.19	0.08	2.22	2.11	102.86	13.76	0.81	4.22	1.73	97.18	10.57	1.53	6.22	1.22	63.31	12.37	2.25	8.22	1.43	73.98	93.86	2.97
0.24	2.37	33.49	4.79	0.09	2.24	2.36	106.24	13.27	0.81	4.24	1.76	95.81	6.78	1.54	6.24	1.20	64.01	12.27	2.26	8.24	1.43	72.83	93.16	2.98
0.26	2.24	38.72	7.38	0.10	2.26	2.68	109.91	13.37	0.82	4.26	1.87	96.38	7.68	1.54	6.26	1.11	63.43	12.47	2.27	8.26	1.44	71.78	92.26	2.99
0.28	2.28	39.96	7.68	0.10	2.28	2.87	113.97	13.47	0.83	4.28	1.99	98.24	12.27	1.55	6.28	1.07	61.42	11.87	2.27	8.28	1.40	70.18	91.16	3.00
0.30	2.31	41.24	7.78	0.11	2.30	3.02	115.21	13.37	0.83	4.30	2.03	98.40	20.85	1.56	6.30	1.01	61.77	11.47	2.28	8.30	1.38	68.75	90.27	3.00
0.32	2.42	42.64	8.48	0.12	2.32	3.06	111.57	13.07	0.84	4.32	2.11	97.44	19.85	1.56	6.32	0.95	60.21	10.77	2.29	8.32	1.34	66.26	89.47	3.01
0.34	2.29	50.75	8.48	0.13	2.34	2.96	109.02	13.56	0.85	4.34	1.98	99.74	19.95	1.57	6.34	0.91	58.13	10.87	2.29	8.34	1.32	63.03	88.97	3.02
0.36	2.39	59.97	9.18	0.13	2.36	2.91	107.86	14.16	0.86	4.36	1.91	102.26	19.95	1.58	6.36	0.82	55.90	11.37	2.30	8.36	1.34	60.82	89.07	3.03
0.38	2.43	62.75	9.97	0.14	2.38	3.03	110.55	13.47	0.86	4.38	1.81	105.04	19.75	1.59	6.38	0.80	51.91	12.57	2.31	8.38	1.43	56.78	89.67	3.03
0.40	2.40	67.54	9.87	0.15	2.40	2.98	114.47	13.27	0.87	4.40	1.71	107.41	5.19	1.59	6.40	0.82	49.19	11.27	2.32	8.40	1.52	53.49	90.37	3.04
0.42	2.35	75.07	10.47	0.15	2.42	2.87	117.12	13.37	0.88	4.42	1.72	107.19	27.83	1.60	6.42	0.75	48.49	9.77	2.32	8.42	1.56	51.41	90.96	3.05
0.44	2.37	82.03	10.97	0.16	2.44	2.72	117.76	14.06	0.88	4.44	1.73	104.12	6.18	1.61	6.44	0.75	43.16	9.97	2.33	8.44	1.58	50.61	91.76	3.05
0.46	2.42	89.46	11.67	0.17	2.46	2.48	124.78	15.06	0.89	4.46	1.75	99.17	1.00	1.62	6.46	0.70	39.20	9.28	2.34	8.46	1.60	53.10	92.36	3.06
0.48	2.42	98.78	12.27	0.18	2.48	2.54	129.89	14.76	0.90	4.48	1.70	92.92	6.38	1.62	6.48	0.65	36.01	8.98	2.35	8.48	1.59	54.86	92.66	3.07
0.50	2.43	103.88	11.47	0.18	2.50	2.56	131.45	14.36	0.91	4.50	1.66	87.78	17.06	1.63	6.50	0.63	31.96	10.17	2.35	8.50	1.59	54.76	93.46	3.08
0.52	2.60	108.96	12.17	0.19	2.52	2.51	129.85	14.36	0.91	4.52	1.56	82.86	17.45	1.64	6.52	0.65	29.40	12.57	2.36	8.52	1.60	53.10	92.96	3.08
0.54	2.61	112.88	12.67	0.20	2.54	2.49	129.57	14.26	0.92	4.54	1.50	81.33	17.16	1.64	6.54	0.77	27.36	21.54	2.37	8.54	1.55	53.07	92.56	3.09
0.56	2.66	121.49	13.27	0.21	2.56	2.51	132.34	14.06	0.93	4.56	1.49	84.33	16.06	1.65	6.56	0.90	24.33	43.59	2.37	8.56	1.55	49.98	94.06	3.10
0.58	2.65	122.54	12.97	0.21	2.58	2.51	131.86	13.76	0.94	4.58	1.48	84.97	1.99	1.66	6.58	1.07	23.24	49.47	2.38	8.58	1.53	48.25	96.05	3.10
0.60	2.62	127.42	13.17	0.22	2.60	2.48	133.20	14.06	0.94	4.60	1.50	84.02	9.97	1.67	6.60	1.11	23.34	48.67	2.39	8.60	1.57	47.36	97.85	3.11
0.62	2.67	129.05	13.07	0.23	2.62	2.47	131.19	14.16	0.95	4.62	1.47	82.80	12.87	1.67	6.62	1.14	23.91	45.88	2.40	8.62	1.60	46.40	100.04	3.12
0.64	2.70	126.71	13.07	0.23	2.64	2.37	131.44	14.26	0.96	4.64	1.35	81.82	17.36	1.68	6.64	1.16	24.59	40.89	2.40	8.64	1.64	46.15	101.64	3.13
0.66	2.62	126.51	12.17	0.24	2.66	2.22	131.76	15.26	0.96	4.66	1.34	79.65	13.27	1.69	6.66	1.20	26.50	39.90	2.41	8.66	1.63	46.08	101.34	3.13
0.68	2.57	130.15	11.57	0.25	2.68	2.06	130.90	15.66	0.97	4.68	1.45	69.75	7.28	1.69	6.68	1.26	28.58	39.10	2.42	8.68	1.62	45.06	104.43	3.14
0.70	2.54	130.72	11.87	0.26	2.70	1.95	129.55	16.06	0.98	4.70	1.51	64.39	32.91	1.70	6.70	1.29	31.26	39.30	2.43	8.70	1.58	45.10	106.12	3.15
0.72	2.51	125.06	12.07	0.26	2.72	1.83	126.78	16.26	0.99	4.72	1.47	60.05	10.27	1.71	6.72	1.33	36.15	39.20	2.43	8.72	1.58	46.66	109.82	3.16
0.74	2.57	119.24	12.67	0.27	2.74	1.80	125.18	15.96	0.99	4.74	1.40	58.71	15.96	1.72	6.74	1.37	39.56	39.30	2.44	8.74	1.56	47.75	115.40	3.16
0.76	2.69	115.57	13.37	0.28	2.76	1.83	121.92	15.16	1.00	4.76	1.33	59.67	17.55	1.72	6.76	1.40	43.62	39.30	2.45	8.76	1.58	47.94	129.36	3.17
0.78	2.82	113.97	13.76	0.28	2.78	1.82	116.81	14.86	1.01	4.78	1.34	58.74	16.56	1.73	6.78	1.34	49.40	37.10	2.45	8.78	1.58	47.78	137.84	3.18
0.80	2.87	111.18	13.86	0.29	2.80	1.83	112.18	14.56	1.02	4.80	1.34	58.39	16.26	1.74	6.80	1.31	54.06	45.08	2.46	8.80	1.58	47.59	140.14	3.18
0.82	3.01	108.37	14.06	0.30	2.82	1.80	107.90	14.86	1.02	4.82	1.35	60.06	15.86	1.75	6.82	1.34	54.38	59.94	2.47	8.82	1.56	47.21	143.13	3.19
0.84	3.20	108.52	14.06	0.31	2.84	1.80	102.95	14.96	1.03	4.84	1.36	62.39	14.76	1.75	6.84	1.43	52.12	62.34	2.48	8.85	1.56	46.79	142.93	3.20
0.86	3.45	109.76	14.36	0.31	2.86	1.86	99.25	14.76	1.04	4.86	1.39	63.95	11.57	1.76	6.86	1.51	50.17	60.84	2.48	8.86	1.54	46.63	142.83	3.21
0.88	3.62	111.84	14.96	0.32	2.88	1.86	98.42	14.76	1.04	4.88	1.45	62.58	11.57	1.77	6.88	1.54	47.81	59.45	2.49	8.88	1.53	46.80	146.42	3.21
0.90	3.74	111.00	15.56	0.33	2.90	1.88	98.67	14.76	1.05	4.90	1.52	60.79	11.17	1.77	6.90	1.53	46.98	57.65	2.50	8.90	1.55	46.67	149.71	3.22
0.92	3.79	97.95	16.36	0.34	2.92	1.85	101.96	14.86	1.06	4.92	1.52	59.52	13.17	1.78	6.92	1.50	50.49	54.96	2.50	8.93	1.54	46.83	153.00	3.23
0.94	3.83	92.53	14.56	0.34	2.94	1.90	105.79	14.96	1.07	4.94	1.46	57.70	13											

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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: SP59 - Chiesa Santa Caterina Vergine - 43019 Diolo (PR)
 CPT N° SCPTU 4 PROF. FALDA (m da p.c.) 7,50
 DATA 26/10/22 PREFORO (m da p.c.)
 COMMESSA 0345/22 C. SITO N°: SF221120 del 08/11/22



sismocono G1 - CPL2IN
 LAI. (WGS 84): 44.966936°
 LONG. (WGS 84): 10.148880°

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	1.93	53.54	313.09	3.63	12.02	13.26	66.93	164.77	4.35	14.02	15.62	72.28	163.38	5.07	16.02	22.60	92.97	117.00	5.80	18.02	17.43	99.15	22.74	6.52
10.04	2.07	53.48	341.81	3.63	12.04	13.82	74.24	165.47	4.36	14.04	15.80	70.62	164.77	5.08	16.04	22.15	96.01	112.11	5.80	18.04	16.58	98.67	20.85	6.53
10.06	2.08	53.77	380.21	3.64	12.06	14.35	70.57	160.68	4.36	14.06	15.86	72.95	165.17	5.09	16.06	22.15	95.05	110.61	5.81	18.06	15.36	97.61	17.75	6.53
10.08	2.08	52.23	387.00	3.65	12.08	14.62	67.82	153.90	4.37	14.08	15.69	77.48	164.97	5.09	16.08	22.16	94.19	108.82	5.82	18.08	13.70	90.19	8.98	6.54
10.10	2.08	51.72	385.30	3.65	12.10	14.71	69.42	148.42	4.38	14.11	15.47	79.77	162.98	5.10	16.10	21.84	91.99	63.04	5.82	18.10	13.19	84.96	2.99	6.55
10.12	2.12	51.85	389.99	3.66	12.12	14.64	67.88	149.61	4.38	14.12	15.12	78.05	144.53	5.11	16.12	21.81	92.64	56.05	5.83	18.12	12.81	80.14	0.30	6.55
10.14	2.07	54.05	388.39	3.67	12.14	13.61	71.89	170.66	4.39	14.14	15.13	77.44	140.93	5.12	16.14	21.49	95.61	51.97	5.84	18.14	12.53	79.24	2.59	6.56
10.16	2.67	77.70	277.78	3.68	12.16	13.11	78.98	155.20	4.40	14.16	15.25	77.44	140.24	5.12	16.16	21.22	96.69	50.77	5.85	18.16	12.39	74.01	3.59	6.57
10.18	2.40	78.24	253.84	3.68	12.18	12.81	73.93	148.51	4.41	14.18	15.40	77.22	140.54	5.13	16.18	21.31	97.11	51.97	5.85	18.18	12.38	67.94	4.09	6.58
10.20	2.10	79.39	271.70	3.69	12.20	12.74	74.09	145.42	4.41	14.20	15.75	76.62	143.53	5.14	16.20	21.53	97.49	54.66	5.86	18.20	12.56	65.96	3.69	6.58
10.22	2.01	80.00	284.56	3.70	12.22	12.64	73.61	133.25	4.42	14.22	16.14	75.82	147.02	5.14	16.22	21.59	98.10	56.85	5.87	18.22	12.95	64.93	2.49	6.59
10.24	1.93	79.49	300.32	3.71	12.24	12.40	75.94	122.88	4.43	14.24	16.46	75.15	150.51	5.15	16.24	21.80	94.93	60.54	5.87	18.24	13.72	61.77	0.60	6.60
10.26	1.89	76.13	317.68	3.71	12.26	11.96	73.77	117.89	4.44	14.26	16.83	72.78	153.70	5.16	16.26	21.69	93.27	62.04	5.88	18.26	14.93	59.60	6.18	6.61
10.28	1.84	71.60	333.44	3.72	12.28	11.96	59.98	117.40	4.44	14.28	16.97	72.27	155.10	5.17	16.28	21.58	89.56	64.13	5.89	18.28	16.30	62.29	12.47	6.61
10.30	1.88	67.57	340.12	3.73	12.30	12.12	52.28	120.59	4.45	14.30	16.89	72.18	154.40	5.17	16.30	21.16	88.09	65.53	5.90	18.30	17.66	64.84	18.65	6.62
10.32	1.83	59.88	343.11	3.73	12.32	12.23	47.74	126.57	4.46	14.32	16.74	71.31	153.30	5.18	16.32	20.45	86.43	66.03	5.90	18.32	18.99	66.57	25.13	6.63
10.34	1.81	53.20	320.47	3.74	12.34	12.41	46.56	127.77	4.46	14.34	16.71	69.36	153.30	5.19	16.34	20.07	88.31	69.02	5.91	18.34	19.80	68.81	26.43	6.63
10.36	1.98	50.78	319.57	3.75	12.36	12.08	49.15	123.18	4.47	14.36	16.65	69.68	153.00	5.19	16.36	20.06	87.96	73.11	5.92	18.36	19.01	75.26	24.34	6.64
10.38	2.16	50.07	324.06	3.76	12.38	11.46	54.25	121.78	4.48	14.38	16.60	71.72	154.10	5.20	16.38	20.42	89.84	80.19	5.93	18.38	19.40	106.14	24.64	6.65
10.40	2.85	49.98	358.47	3.76	12.40	10.85	52.97	115.50	4.49	14.40	16.58	71.78	154.00	5.21	16.40	20.83	92.65	86.68	5.93	18.40	19.04	111.79	24.64	6.66
10.42	2.25	64.02	156.69	3.77	12.42	10.25	47.48	113.31	4.49	14.42	16.59	72.58	154.40	5.22	16.42	21.17	92.68	91.86	5.94	18.42	18.78	120.42	25.33	6.67
10.44	2.07	83.24	181.03	3.78	12.44	9.68	36.72	112.41	4.50	14.44	16.79	75.55	156.00	5.22	16.44	21.30	91.81	96.15	5.95	18.44	18.44	131.72	25.83	6.67
10.46	2.16	82.41	267.01	3.78	12.46	9.33	31.93	112.91	4.51	14.46	17.07	79.35	158.59	5.23	16.46	21.42	89.00	99.94	5.95	18.46	18.28	136.92	26.73	6.68
10.48	2.14	73.95	364.26	3.79	12.48	9.11	31.44	114.70	4.52	14.48	17.23	79.73	159.59	5.24	16.48	21.45	84.21	102.83	5.96	18.48	17.83	145.06	26.33	6.68
10.50	1.92	70.15	443.45	3.80	12.50	9.34	35.75	121.29	4.52	14.50	17.11	78.32	158.19	5.25	16.50	21.36	82.45	106.82	5.97	18.50	17.40	150.97	25.73	6.69
10.52	1.84	61.18	436.67	3.81	12.52	10.05	43.99	132.16	4.53	14.52	16.82	76.72	155.80	5.25	16.52	21.36	82.73	110.61	5.98	18.52	16.89	129.35	24.84	6.70
10.54	1.76	64.66	436.37	3.81	12.54	10.68	51.27	138.64	4.54	14.54	16.55	74.55	152.90	5.26	16.54	21.16	85.22	112.21	5.98	18.54	16.38	123.19	24.64	6.71
10.56	1.93	68.01	449.43	3.82	12.56	11.14	51.30	138.34	4.54	14.56	16.25	73.91	150.91	5.27	16.56	21.52	92.40	119.69	5.99	18.56	16.16	119.10	25.83	6.71
10.58	2.31	58.78	468.39	3.83	12.58	11.38	50.11	138.44	4.55	14.58	16.05	74.48	149.51	5.27	16.58	22.10	95.18	126.37	6.00	18.58	15.94	114.43	26.63	6.72
10.60	2.66	59.04	476.76	3.84	12.60	11.62	48.96	138.54	4.56	14.60	15.83	74.25	148.22	5.28	16.60	22.05	98.62	128.87	6.01	18.60	15.45	110.12	26.63	6.73
10.62	2.69	57.50	458.91	3.84	12.62	11.91	45.99	140.83	4.57	14.62	15.42	73.80	144.63	5.29	16.62	22.05	102.64	131.36	6.01	18.62	14.82	104.30	25.33	6.74
10.64	2.57	70.47	371.74	3.85	12.64	12.17	44.17	145.92	4.57	14.64	15.02	73.10	141.33	5.30	16.64	22.05	103.79	132.56	6.02	18.64	13.89	100.02	23.14	6.74
10.66	2.32	63.73	354.68	3.86	12.66	12.27	40.53	148.91	4.58	14.66	14.80	71.69	140.93	5.30	16.66	21.98	106.98	133.25	6.03	18.66	13.10	95.52	21.44	6.75
10.68	1.99	62.67	760.13	3.86	12.68	12.36	36.47	150.11	4.59	14.68	14.88	72.87	142.73	5.31	16.68	22.04	108.80	135.15	6.03	18.68	12.49	90.12	20.05	6.76
10.70	1.82	67.33	773.30	3.87	12.70	12.51	37.69	152.01	4.59	14.70	15.06	74.18	145.02	5.32	16.70	22.31	109.88	138.64	6.04	18.70	12.01	86.25	19.45	6.76
10.72	1.80	67.14	761.33	3.88	12.72	12.62	43.40	152.80	4.60	14.72	15.48	75.10	148.42	5.32	16.72	22.78	112.08	142.23	6.05	18.72	11.73	81.04	19.25	6.77
10.74	1.85	64.71	755.04	3.89	12.74	12.60	49.56	153.70	4.61	14.74	15.79	75.00	149.81	5.33	16.74	23.15	101.99	143.33	6.06	18.74	11.49	75.39	19.35	6.78
10.76	1.98	62.38	760.33	3.89	12.76	12.46	51.47	151.41	4.62	14.76	15.94	74.36	149.01	5.34	16.76	23.41	100.51	144.33	6.06	18.76	11.36	70.72	20.15	6.79
10.78	2.09	61.30	758.13	3.90	12.78	12.17	50.68	148.32	4.62	14.78	15.79	73.47	146.52	5.35	16.78	23.52	95.76	143.33	6.07	18.78	11.40	67.08	21.74	6.79
10.80	1.93	67.24	583.09	3.91	12.80	11.64	46.84	142.73	4.63	14.80	15.54	69.76	144.23	5.35	16.80	23.63	100.64	141.63	6.08	18.80	11.42	66.82	23.24	6.80
10.82	1.81	67.11	409.84	3.91	12.82	10.70	47.39	135.15	4.64	14.82	15.37	69.85	142.73	5.36	16.82	23.60	97.22	132.26	6.08	18.82	11.43	65.22	24.24	6.81
10.84	1.81	68.29	462.00	3.92	12.84	10.06	48.73	132.96	4.65	14.84	15.26	70.78	142.33	5.37	16.84	23.80	105.69	127.87	6.09	18.84	11.41	62.70	24.94	6.81
10.86	1.75	66.95	497.91	3.93	12.86	9.48	50.19	131.26	4.65	14.86	15.33	71.09	142.43	5.38	16.86	23.85	106.97	120.19	6.10	18.86	11.41	61.17	25.53	6.82
10.88	1.92	61.39	534.81	3.94	12.88	9.38	46.65	132.46	4.66	14.88	15.29	72.69	141.53	5.38	16.88	23.77	106.59	113.51	6.11	18.88	11.38	60.08	26.03	6.83
10.90	1.99	58.96	545.58	3.94	12.90	9.34	47.70	129.66	4.67	14.90	15.25	73.81	140.74	5.39	16.90	23.49	108.25	105.53	6.11	18.90	11.33	58.10	26.23	6.84
10.92	1.95	58.32	550.87	3.95																				

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CANTIERE: SP59 - Chiesa Santa Caterina Vergine - 43019 Diolo (PR)

CPT N° SCPTU 4 PROF. FALDA (m da p.c.) 7.50
DATA 26/10/22 PREFORO (m da p.c.)
COMMESSA 0345/22 C. SITO N°: SF221120 del 08/11/22



sismocono G1 - CPL2IN
LAI. (WGS 84): 44.966936°
LONG. (WGS 84): 10.148880°

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
20.02	16.74	56.44	100.64	7.24	22.02	23.16	78.27	175.64	7.96	24.02	12.71	58.63	107.12	8.69	26.02	15.18	81.63	117.89	9.41	28.02	19.14	98.50	98.05	10.13
20.04	15.94	60.49	92.56	7.25	22.04	22.52	82.45	168.86	7.97	24.04	12.79	56.40	107.82	8.69	26.04	15.31	78.91	118.69	9.42	28.04	18.46	93.45	97.65	10.14
20.06	14.99	61.45	87.17	7.26	22.06	21.18	85.73	163.18	7.98	24.06	12.80	55.85	108.32	8.70	26.06	15.65	77.12	121.09	9.43	28.06	18.44	88.65	107.02	10.15
20.08	13.57	68.28	77.90	7.26	22.08	19.81	88.73	157.59	7.99	24.08	12.72	54.64	107.52	8.71	26.08	16.46	75.23	123.98	9.43	28.08	19.67	88.57	144.33	10.16
20.10	12.81	64.51	73.81	7.27	22.10	18.90	90.23	155.40	7.99	24.10	12.82	52.34	106.92	8.72	26.10	16.69	73.64	116.60	9.44	28.10	22.05	98.38	158.29	10.16
20.12	12.20	63.46	71.51	7.28	22.12	18.05	92.40	154.90	8.00	24.12	13.27	51.32	106.53	8.72	26.12	17.41	74.34	116.30	9.45	28.12	24.65	150.00	171.56	10.17
20.14	11.76	62.31	69.42	7.28	22.14	17.18	89.83	154.86	8.01	24.14	13.72	52.85	106.03	8.73	26.14	18.03	76.68	115.90	9.45	28.14	29.45	187.24	164.57	10.18
20.16	10.98	64.00	52.86	7.29	22.16	16.90	83.25	87.17	8.02	24.16	13.93	53.97	107.52	8.74	26.16	18.78	79.36	119.09	9.46	28.16	28.62	195.61	160.98	10.18
20.18	10.76	62.26	50.47	7.30	22.18	16.75	81.11	84.58	8.02	24.18	14.11	55.73	107.82	8.75	26.18	19.74	83.26	119.39	9.47	28.18	28.08	187.99	149.41	10.19
20.20	10.64	59.20	46.68	7.31	22.20	16.68	79.52	83.28	8.03	24.20	14.51	56.72	108.32	8.76	26.20	20.24	84.06	119.99	9.48	28.20	28.41	191.64	158.29	10.20
20.22	10.65	56.45	47.28	7.31	22.22	16.89	77.09	85.38	8.04	24.22	15.34	58.99	107.81	8.76	26.22	20.86	82.40	121.49	9.48	28.22	28.67	191.07	163.08	10.21
20.24	10.96	57.22	49.17	7.32	22.24	17.46	74.41	91.06	8.04	24.24	16.22	61.54	107.09	8.77	26.24	21.59	92.01	124.98	9.49	28.24	27.25	203.53	156.20	10.21
20.26	11.56	58.98	52.46	7.33	22.26	18.07	75.50	97.85	8.05	24.26	17.28	66.27	106.38	8.77	26.26	22.12	88.44	133.75	9.50	28.26	26.39	200.67	146.32	10.22
20.28	12.53	61.69	55.46	7.34	22.28	18.36	77.12	102.23	8.06	24.28	18.60	68.22	105.35	8.78	26.28	22.17	95.01	135.25	9.50	28.28	25.48	199.89	138.94	10.23
20.30	13.74	65.61	56.45	7.34	22.30	18.50	76.96	104.03	8.07	24.30	18.77	70.17	105.55	8.79	26.30	21.34	100.28	129.26	9.51	28.30	24.90	226.42	139.74	10.24
20.32	15.10	67.21	56.25	7.35	22.32	18.64	76.13	105.63	8.07	24.32	18.70	74.54	105.75	8.80	26.32	20.48	115.92	120.59	9.52	28.32	24.30	136.24	138.14	10.24
20.34	15.60	65.39	56.05	7.36	22.34	18.62	79.07	107.52	8.08	24.34	18.66	76.33	106.25	8.80	26.34	19.80	128.69	125.47	9.53	28.34	23.78	142.69	140.44	10.25
20.36	14.87	61.55	51.67	7.36	22.36	18.48	84.78	109.42	8.09	24.36	19.00	77.03	102.04	8.81	26.36	19.22	102.12	107.22	9.53	28.36	23.42	138.64	141.03	10.26
20.38	13.49	59.51	47.48	7.37	22.38	18.50	87.11	111.81	8.09	24.38	19.53	80.83	109.72	8.82	26.38	17.09	106.02	107.22	9.54	28.38	22.74	144.86	140.44	10.26
20.40	12.50	58.68	45.28	7.38	22.40	18.55	88.32	114.60	8.10	24.40	20.13	82.05	117.50	8.83	26.40	16.15	73.64	100.74	9.55	28.40	22.96	144.81	140.41	10.27
20.42	11.73	60.14	44.68	7.39	22.42	18.66	89.95	118.69	8.11	24.42	20.61	84.63	123.18	8.83	26.42	15.67	74.21	104.03	9.56	28.42	23.74	143.01	165.67	10.28
20.44	11.31	62.06	46.28	7.39	22.44	18.66	91.16	121.19	8.12	24.44	20.99	87.63	129.76	8.84	26.44	15.36	68.82	106.72	9.56	28.44	24.69	138.47	177.24	10.29
20.46	10.97	62.73	47.58	7.40	22.46	18.56	91.07	122.68	8.12	24.46	20.91	92.00	131.86	8.85	26.46	15.33	60.86	114.20	9.57	28.46	25.05	140.93	182.23	10.29
20.48	10.63	64.10	48.77	7.41	22.48	18.38	90.46	123.78	8.13	24.48	19.78	95.96	125.37	8.85	26.48	15.48	82.67	127.27	9.58	28.48	25.57	130.55	193.10	10.30
20.50	10.47	63.01	49.87	7.41	22.50	18.22	89.56	125.67	8.14	24.50	18.12	100.94	116.80	8.86	26.50	15.67	140.36	133.45	9.58	28.50	25.22	127.10	191.50	10.31
20.52	10.25	59.65	51.27	7.42	22.52	18.20	89.24	130.06	8.15	24.52	16.61	98.54	111.01	8.87	26.52	14.76	119.06	113.80	9.59	28.52	24.50	122.78	185.52	10.31
20.54	10.05	57.45	52.36	7.43	22.54	18.30	88.41	134.15	8.15	24.54	15.54	100.71	108.22	8.88	26.54	14.19	128.10	115.70	9.60	28.54	23.42	130.09	175.84	10.32
20.56	9.89	55.24	53.86	7.44	22.56	18.56	86.33	140.24	8.16	24.56	15.07	100.45	109.32	8.88	26.56	14.20	130.94	114.90	9.61	28.56	22.44	131.82	172.15	10.33
20.58	9.76	54.09	55.56	7.44	22.58	18.55	87.03	143.53	8.17	24.58	14.99	103.10	114.50	8.89	26.58	14.48	132.21	120.59	9.61	28.58	21.01	133.25	160.98	10.34
20.60	9.70	52.14	57.25	7.45	22.60	18.61	86.42	147.22	8.17	24.60	15.32	106.67	123.18	8.90	26.60	14.91	143.57	126.17	9.62	28.60	19.22	122.55	149.21	10.34
20.62	9.69	51.02	59.45	7.46	22.62	18.72	83.74	150.71	8.18	24.62	16.18	107.09	134.75	8.90	26.62	15.21	128.83	128.77	9.63	28.62	17.89	116.93	141.53	10.35
20.64	9.69	50.64	61.24	7.47	22.64	18.68	85.49	153.80	8.19	24.64	17.31	105.87	148.32	8.91	26.64	15.39	119.55	132.06	9.63	28.64	16.91	110.25	137.44	10.36
20.66	9.73	50.57	62.64	7.47	22.66	18.64	85.07	156.39	8.20	24.66	18.56	106.34	163.88	8.92	26.66	15.42	114.20	130.66	9.64	28.66	16.36	103.16	135.75	10.37
20.68	9.76	50.73	61.84	7.48	22.68	18.51	83.92	157.59	8.20	24.68	19.29	101.46	173.35	8.93	26.68	15.41	71.82	128.67	9.65	28.68	15.88	95.30	134.05	10.37
20.70	9.88	51.20	63.04	7.49	22.70	18.24	81.75	156.00	8.21	24.70	19.22	98.96	174.05	8.94	26.70	15.58	65.52	126.87	9.66	28.70	15.49	84.86	133.75	10.38
20.72	10.08	51.11	62.24	7.49	22.72	17.74	83.21	154.00	8.22	24.72	18.57	101.55	173.35	8.94	26.72	16.05	62.41	132.26	9.66	28.72	14.97	83.42	129.56	10.39
20.74	10.48	51.65	63.04	7.50	22.74	17.45	82.41	153.20	8.22	24.74	17.13	123.16	157.09	8.95	26.74	16.33	67.32	134.95	9.67	28.74	14.82	84.75	131.46	10.39
20.76	11.22	51.74	63.83	7.51	22.76	17.24	79.67	152.70	8.23	24.76	16.30	116.16	153.50	8.96	26.76	16.05	59.28	124.88	9.68	28.76	14.92	78.87	135.05	10.40
20.78	12.35	53.37	65.33	7.52	22.78	17.12	79.22	154.60	8.24	24.78	15.94	114.92	153.10	8.96	26.78	15.96	66.91	123.98	9.69	28.78	14.97	76.06	134.75	10.41
20.80	13.59	57.49	66.33	7.52	22.80	16.95	77.78	154.30	8.25	24.80	15.43	113.64	151.21	8.97	26.80	15.78	65.02	125.47	9.69	28.80	15.92	72.07	139.64	10.42
20.82	14.34	62.18	66.63	7.53	22.82	16.61	76.72	153.60	8.25	24.82	14.99	108.81	149.11	8.98	26.82	15.82	61.83	124.28	9.70	28.82	16.87	77.94	147.12	10.42
20.84	14.11	64.32	65.33	7.54	22.84	16.45	75.99	153.40	8.26	24.84	14.28	102.07	144.23	8.98	26.84	16.17	62.70	128.17	9.71	28.84	17.54	78.20	147.02	10.43
20.86	13.54	63.74	62.34	7.55	22.86	16.35	75.79	155.20	8.27	24.86	13.17	92.40	135.65	8.99	26.86	16.19	65.73	127.17	9.71	28.86	17.53	74.14	139.04	10.44
20.88	13.27	64.95	64.42	7.55	22.88	16.13	75.82	155.40	8.28	24.88	12.42	77.70	130.46	9.00	26.88	16.29	65.38	128.27	9.72	28.88	16.94	72.68	128.37	10.44
20.90	13.13	67.47	63.34	7.56	22.90	15.96	74.35	154																

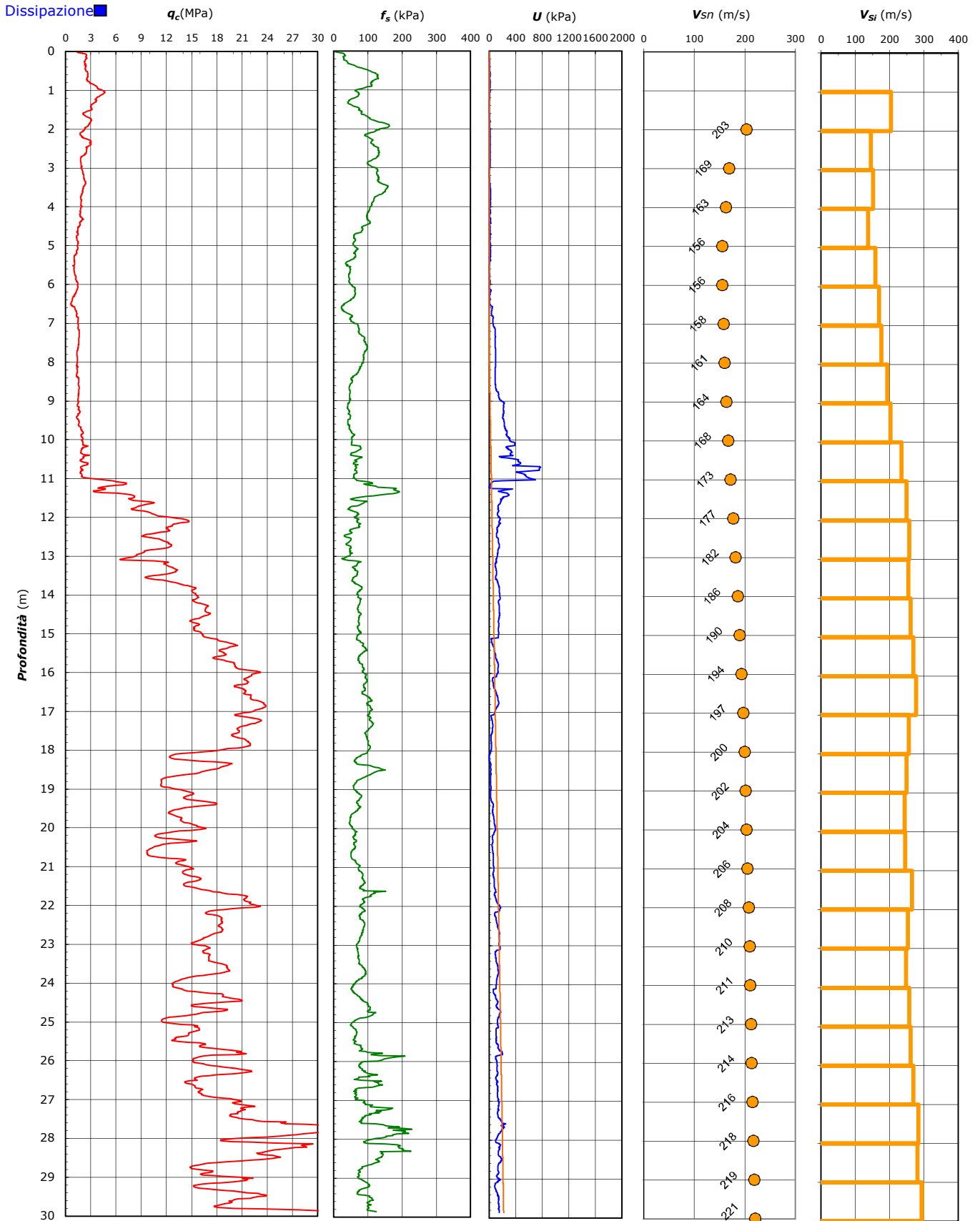
FERRARA DEPARTMENT
 Via Annibale Zucchini, 69 – 44122 Ferrara (FE)
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: SP59 - Chiesa Santa Caterina Vergine - 43019 Diolo (PR)
 CPT N° SCPTU 4 PROF. FALDA (m da p.c.) 7.50
 DATA 26/10/22 PREFORO (m da p.c.)
 COMMESSA 0345/22 C. SITO N°: SF221120 del 08/11/22



sismocono G1 - CPL2IN
 LAI. (WGS 84): 44.966936°
 LONG. (WGS 84): 10.148880°



Il Responsabile Prove in Sito:
 dott. geol. Massimo Romagnoli

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)
Tel.: +39 0532 56771 - Fax.: +39 0532 56119

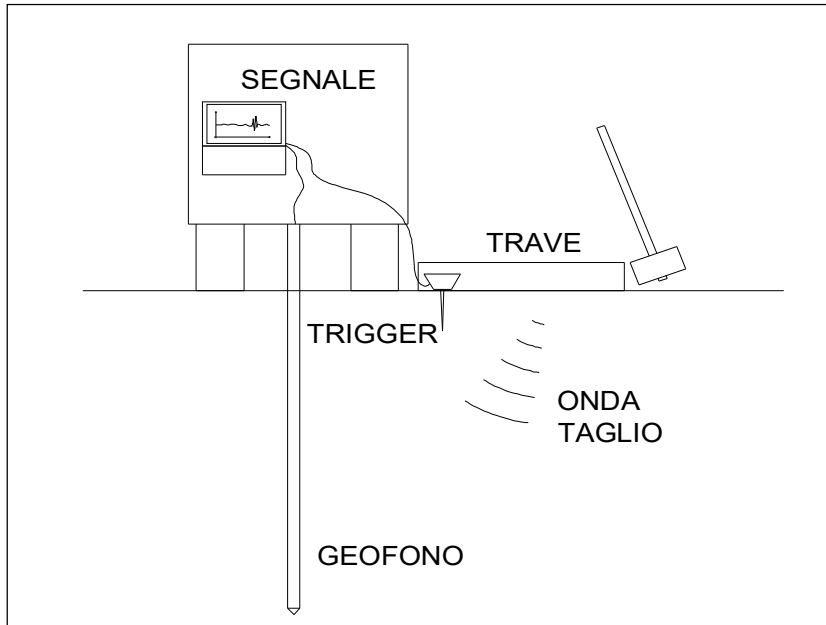
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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: SP59 - Chiesa Santa Caterina Vergine - 43019 Diolo (PR)
CPT N° SPTU 4 PROF. FALDA (m da p.c.) 7.50
DATA 26/10/22 PREFORO (m da p.c.)
COMMESSA 0345/22 C. SITO N°: SF221120 del 08/11/22



sismocono G1 - CPL2IN
LAT. (WGS 84): 44.966936°
LONG. (WGS 84): 10.148880°

Prova Down Hole ASTM D 7400



Profondità (m)	Ts (ms)	L (m)	Vs (m/s)	Vis (m/s)
1.0	T0	1.30	-	-
2.0	4.91	2.30	203	203
3.0	11.82	3.30	169	145
4.0	18.38	4.30	163	152
5.0	25.65	5.29	156	137
6.0	31.95	6.29	156	158
7.0	37.85	7.29	158	169
8.0	43.50	8.29	161	176
9.0	48.65	9.28	164	194
10.0	53.56	10.28	168	202
11.0	57.80	11.27	173	235
12.0	61.78	12.26	177	249
13.0	65.65	13.26	182	256
14.0	69.54	14.25	186	254
15.0	73.32	15.24	190	262
16.0	77.00	16.22	194	268
17.0	80.57	17.21	197	277
18.0	84.41	18.19	200	256
19.0	88.36	19.18	202	249
20.0	92.39	20.16	204	244
21.0	96.39	21.14	206	245
22.0	100.08	22.12	208	265
23.0	103.93	23.10	210	254
24.0	107.88	24.07	211	247
25.0	111.66	25.04	213	257
26.0	115.39	26.02	214	260
27.0	118.99	26.99	216	269
28.0	122.40	27.95	218	283
29.0	125.83	28.92	219	281
30.0	129.10	29.88	221	294

CATEGORIA SOTTOSUOLO
C
V_{s,30} = 221 m/s

Intervallo di profondità considerato per il calcolo della Vs30: m 1.0 - 30.0

- D = Distanza centro trave generatrice onde di taglio - verticale di prova m = 1.00
- Profondità = Profondità punta da piano campagna
- Ts = Tempo percorrenza onda di taglio
- L = Lunghezza percorso onda di taglio
- Vs = Velocità onde di taglio da piano campagna alla profondità ind = 30.0 m
- Vis = Velocità onde di taglio nello strato di terreno compreso fra le due profondità indicate

Il Responsabile Prove in Sito:
dott. geol. Massimo Romagnoli

FERRARA DEPARTMENT

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COMMITTENTE: ENGEO S.r.l. - -Via Suor Maria Adorni, 2
CANTIERE: SP59 - Chiesa Santa Caterina Vergine - 43019 Diolo (PR)

CPT N° SCPTU 4 PROF. FALDA (m da p.c.) 7.50
DATA 26/10/22 PREFORO (m da p.c.)
COMMESSA 0345/22 C. SITO N°: SF221120 del 08/11/22

sismocono G1 - CPL2IN
LAT. (WGS 84): 44.966936°
LONG. (WGS 84): 10.148880°



UBICAZIONE

Località: SP59 - Chiesa Santa Caterina Vergine - 43019 Diolo (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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COMMITTENTE: ENGEO S.r.l. - Via Suor Maria Adorni, 2

CANTIERE: vicino Parrocchia Sacra Famiglia Soragna (PR)

CPT N° SCPTU 5 PROF. FALDA (m da p.c.) 10.30

DATA 25/10/22 PREFORO (m da p.c.)

COMMESSA 0345/22 C. SITO N°: SF221121 del 08/11/22

sismocono G1 - CPL2IN

LA1. (WGS 84): 44.926594°

LONG. (WGS 84): 10.123472°



prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
0.02	1.25	6.15		0.02	2.02	4.54	200.36	11.87	0.79	4.02	3.59	141.32	20.25	1.55	6.02	3.36	211.26	15.46	2.32	8.02	2.39	135.51	40.20	3.09
0.04	2.05	14.35	3.29	0.03	2.04	4.59	216.16	12.67	0.79	4.04	3.63	145.51	21.84	1.56	6.04	3.51	214.44	1.99	2.33	8.04	2.38	133.63	37.40	3.10
0.06	2.48	22.49	4.59	0.03	2.06	4.75	226.16	11.87	0.80	4.06	3.70	152.79	23.04	1.57	6.06	3.69	216.68	5.39	2.34	8.06	2.41	131.39	54.06	3.11
0.08	3.21	22.11	6.28	0.04	2.08	4.98	234.81	10.97	0.81	4.08	3.69	158.23	24.24	1.58	6.08	3.84	214.28	19.85	2.35	8.08	2.53	131.87	51.07	3.11
0.10	3.84	25.78	7.08	0.05	2.10	5.20	247.12	10.17	0.82	4.10	3.76	167.51	25.53	1.59	6.10	3.93	214.63	17.75	2.35	8.10	2.56	127.60	44.88	3.12
0.12	4.31	34.21	5.19	0.06	2.12	5.39	256.33	9.48	0.82	4.12	3.96	172.43	26.63	1.59	6.12	3.98	218.66	20.15	2.36	8.12	2.70	118.88	17.55	3.13
0.14	5.20	31.91	6.18	0.06	2.14	5.52	272.63	9.08	0.83	4.14	4.04	178.91	26.03	1.60	6.14	4.05	222.54	19.05	2.37	8.14	2.59	120.96	9.67	3.14
0.16	7.32	25.40	6.58	0.07	2.16	5.56	277.22	9.18	0.84	4.16	4.10	186.87	26.73	1.61	6.16	4.12	226.53	18.25	2.38	8.16	2.71	119.53	5.49	3.14
0.18	7.67	62.44	2.99	0.08	2.18	5.83	284.30	7.98	0.85	4.18	4.14	192.29	27.23	1.62	6.18	4.16	231.25	18.25	2.38	8.18	2.87	121.64	2.59	3.15
0.20	6.30	69.50	1.30	0.09	2.20	5.97	286.97	7.78	0.86	4.20	4.14	194.77	27.93	1.62	6.20	4.17	241.61	17.85	2.39	8.20	2.76	124.01	1.70	3.16
0.22	4.17	42.17	7.98	0.10	2.22	6.27	278.00	6.48	0.86	4.22	4.11	202.96	28.33	1.63	6.22	4.23	250.23	20.25	2.40	8.22	2.37	136.69	25.04	3.17
0.24	3.24	35.44	9.58	0.10	2.24	6.43	259.27	5.98	0.87	4.24	4.17	208.05	28.53	1.64	6.24	4.41	261.97	21.64	2.41	8.24	2.29	140.52	32.81	3.17
0.26	3.12	43.09	2.29	0.11	2.26	6.56	236.11	4.99	0.88	4.26	4.12	215.76	29.12	1.65	6.26	4.42	269.08	16.16	2.41	8.26	2.23	141.80	37.40	3.18
0.28	3.29	34.50	3.19	0.12	2.28	6.70	209.73	4.09	0.89	4.28	4.08	223.98	29.42	1.65	6.28	4.50	273.01	16.36	2.42	8.28	2.15	140.43	38.40	3.19
0.30	3.42	49.90	2.89	0.13	2.30	6.80	186.50	3.49	0.89	4.30	3.94	228.48	30.42	1.66	6.30	4.56	277.85	16.66	2.43	8.30	2.12	135.57	37.60	3.20
0.32	3.63	45.40	1.20	0.13	2.32	6.90	168.06	2.99	0.90	4.32	3.89	229.73	31.12	1.67	6.32	4.59	283.01	16.66	2.44	8.32	2.15	130.27	47.68	3.21
0.34	3.69	49.94	1.40	0.14	2.34	7.01	142.04	1.60	0.91	4.34	3.89	228.70	31.02	1.68	6.34	4.57	284.68	12.47	2.45	8.34	2.13	124.53	45.58	3.21
0.36	3.79	48.37	1.50	0.15	2.36	7.14	127.74	0.10	0.92	4.36	3.85	225.80	31.02	1.68	6.36	4.57	287.04	10.57	2.45	8.36	2.07	115.87	51.57	3.22
0.38	4.16	47.96	0.20	0.16	2.38	7.40	113.84	1.80	0.92	4.38	3.78	226.43	31.62	1.69	6.38	4.63	289.27	10.07	2.46	8.38	2.07	110.16	49.37	3.23
0.40	4.06	48.22	1.30	0.16	2.40	7.45	110.52	2.49	0.93	4.40	3.71	224.41	32.22	1.70	6.40	4.75	289.17	9.58	2.47	8.40	2.03	108.72	47.58	3.24
0.42	4.24	48.19		0.17	2.42	7.44	117.82	2.79	0.94	4.42	3.68	220.13	32.42	1.71	6.42	4.63	291.53	3.69	2.48	8.42	2.07	105.15	45.98	3.24
0.44	4.33	48.35	0.10	0.18	2.44	7.45	124.69	3.99	0.95	4.44	3.63	217.24	32.52	1.72	6.44	4.62	295.30	0.40	2.48	8.44	2.07	104.13	45.38	3.25
0.46	4.39	46.88	0.60	0.19	2.46	7.39	131.04	4.79	0.96	4.47	3.48	217.68	33.11	1.72	6.46	4.61	298.10	1.30	2.49	8.46	2.06	101.80	44.68	3.26
0.48	4.49	47.23	1.50	0.20	2.48	7.37	138.54	5.79	0.96	4.48	3.40	217.39	33.31	1.73	6.48	4.56	299.61	0.70	2.50	8.48	2.02	102.21	43.29	3.27
0.50	4.69	49.09	1.80	0.20	2.50	7.24	148.40	6.08	0.97	4.50	3.24	218.68	34.01	1.74	6.50	4.55	300.77	0.30	2.51	8.50	2.04	102.72	41.79	3.27
0.52	4.64	56.49	0.90	0.21	2.52	7.29	152.55	6.98	0.98	4.52	3.18	217.23	34.21	1.75	6.52	4.52	300.58	0.30	2.51	8.52	2.08	103.11	41.69	3.28
0.54	4.69	64.67	0.60	0.22	2.54	7.32	156.03	7.88	0.99	4.54	3.13	210.40	34.31	1.75	6.54	4.51	299.88	0.50	2.52	8.54	2.11	103.56	42.79	3.29
0.56	4.63	67.61	0.20	0.23	2.56	7.30	162.20	8.78	0.99	4.56	3.12	203.01	34.61	1.76	6.56	4.50	295.76	1.00	2.53	8.56	2.13	104.90	46.08	3.30
0.58	4.67	74.67	0.30	0.23	2.58	7.31	168.15	9.58	1.00	4.58	3.22	195.93	34.61	1.77	6.58	4.41	291.19	1.20	2.54	8.58	2.16	104.45	43.19	3.31
0.60	4.51	79.43	0.80	0.24	2.60	7.36	169.31	10.37	1.01	4.60	3.29	193.60	34.61	1.78	6.60	4.36	287.25	1.60	2.55	8.60	2.18	103.82	42.19	3.31
0.62	4.39	83.71	1.20	0.25	2.62	7.34	168.27	10.87	1.02	4.62	3.45	191.20	34.11	1.78	6.62	4.30	280.86	2.29	2.55	8.62	2.16	102.54	47.48	3.32
0.64	4.43	90.07	0.40	0.26	2.64	7.26	170.19	10.97	1.02	4.64	3.59	190.36	33.71	1.79	6.64	4.31	274.91	2.79	2.56	8.64	2.18	104.20	46.98	3.33
0.66	4.39	88.22		0.26	2.66	7.19	172.36	11.47	1.03	4.66	3.65	192.53	33.91	1.80	6.66	4.32	267.07	2.39	2.57	8.66	2.17	105.54	46.28	3.34
0.68	4.50	87.26	1.10	0.27	2.68	7.09	176.76	12.27	1.04	4.68	3.67	196.55	34.01	1.81	6.68	4.18	267.01	1.40	2.58	8.68	2.14	107.59	41.49	3.34
0.70	4.41	92.15	0.20	0.28	2.70	6.95	175.66	11.47	1.05	4.70	3.79	200.14	34.11	1.82	6.70	4.10	262.85	2.59	2.58	8.70	2.07	110.59	37.60	3.35
0.72	4.16	100.13	2.19	0.29	2.72	6.87	170.91	10.37	1.06	4.72	3.80	201.59	34.01	1.82	6.72	4.13	257.66	1.99	2.59	8.72	2.04	114.14	35.21	3.36
0.74	4.22	102.62	1.50	0.29	2.74	6.90	162.47	11.47	1.06	4.74	3.83	202.56	34.11	1.83	6.74	4.16	253.38	0.30	2.60	8.74	2.05	115.51	34.11	3.37
0.76	4.30	100.45	0.50	0.30	2.76	7.01	154.68	12.57	1.07	4.76	3.83	203.10	34.11	1.84	6.76	4.25	248.44	2.19	2.61	8.76	2.02	116.70	33.31	3.37
0.78	4.27	99.43	0.10	0.31	2.78	7.01	145.61	12.87	1.08	4.78	3.84	204.80	34.31	1.85	6.78	4.23	245.98	0.20	2.61	8.78	2.01	116.83	32.72	3.38
0.80	4.30	99.78	0.10	0.32	2.80	6.93	136.19	12.37	1.09	4.80	3.83	205.78	34.31	1.85	6.80	4.05	242.17	3.89	2.62	8.80	2.03	116.99	32.22	3.39
0.82	4.29	99.68	1.10	0.33	2.82	6.71	133.25	11.77	1.09	4.82	3.85	207.92	34.51	1.86	6.82	3.96	235.85	3.29	2.63	8.82	2.05	115.71	30.82	3.40
0.84	4.11	89.15	2.39	0.33	2.84	6.52	137.14	12.67	1.10	4.84	3.88	209.34	34.81	1.87	6.84	3.90	230.37	2.99	2.64	8.84	2.10	113.70	30.52	3.41
0.86	4.21	91.70	1.90	0.34	2.86	6.43	148.47	14.06	1.11	4.86	3.89	210.31	35.21	1.88	6.86	3.81	226.66	3.19	2.64	8.86	2.16	111.24	30.52	3.41
0.88	4.32	92.85	1.80	0.35	2.88	6.42	165.29	16.16	1.12	4.88	3.88	212.07	35.61	1.88	6.88	3.68	224.93	10.17	2.65	8.88	2.21	110.70	31.02	3.42
0.90	4.53	86.59	0.90	0.36	2.90	6.50	179.42	16.76	1.12	4.90	3.95	218.08	35.71	1.89	6.90	3.71	225.09	15.06	2.66	8.90	2.29	110.48	31.72	3.43
0.92	4.73	86.24	0.10	0.36	2.92	6.57	191.66	17.36	1.13	4.92	4.01	221.01	35.91	1.90	6.92	3.75	224.30	16.16	2.67	8.92	2.31	111.69	31.92	3.44
0.94	4.81	88.47	0.60																					

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COMMITTENTE: ENGE S.r.l. - Via Suor Maria Adorni, 2
CANTIERE: vicino Parrocchia Sacra Famiglia Soragna (PR)
CPT N° SCPTU 5 PROF. FALDA (m da p.c.) 10.30
DATA 25/10/22 PREFORO (m da p.c.)
COMMESSA 0345/22 C. SITO N°: SF221121 del 08/11/22



sismocono G1 - CPL2IN
LAI. (WGS 84): 44.926594°
LONG. (WGS 84): 10.123472°

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	2.51	132.09	40.20	3.86	12.02	1.90	84.37	53.16	4.63	14.02	2.27	94.94	55.26	5.39	16.02	4.43	96.55	129.36	6.16	18.02	9.50	120.63	109.62	6.93
10.04	2.52	130.75	41.29	3.87	12.04	1.93	83.98	53.16	4.63	14.04	2.37	95.52	55.76	5.40	16.04	5.05	77.36	133.25	6.17	18.04	9.61	120.91	113.90	6.94
10.06	2.46	128.64	42.89	3.87	12.06	2.00	85.64	53.26	4.64	14.06	2.45	96.29	56.75	5.41	16.06	4.78	74.52	127.07	6.18	18.06	9.80	110.19	118.99	6.95
10.09	2.49	127.04	42.39	3.88	12.08	2.03	86.99	53.16	4.65	14.08	2.51	96.99	57.15	5.42	16.08	3.91	79.76	115.80	6.19	18.08	9.99	105.27	123.38	6.95
10.10	2.51	129.12	42.39	3.89	12.10	2.08	95.65	53.06	4.66	14.10	2.57	97.53	57.85	5.43	16.10	3.49	101.59	111.11	6.19	18.10	10.49	91.25	130.16	6.96
10.12	2.63	132.64	42.89	3.90	12.12	2.08	100.00	52.86	4.66	14.12	2.59	98.94	57.85	5.43	16.12	3.72	137.80	120.09	6.20	18.12	11.17	77.46	138.94	6.97
10.14	2.64	136.50	42.59	3.90	12.14	2.12	103.92	52.76	4.67	14.14	2.61	103.04	61.84	5.44	16.14	5.00	134.41	150.01	6.21	18.14	12.45	80.02	139.74	6.98
10.16	2.62	138.19	42.09	3.91	12.16	2.12	105.20	52.26	4.68	14.16	2.58	107.96	61.64	5.45	16.16	5.69	100.25	154.10	6.22	18.16	13.84	88.03	152.70	6.98
10.18	2.55	138.70	41.49	3.92	12.18	2.12	107.09	51.87	4.69	14.18	2.61	112.52	61.64	5.46	16.18	5.90	89.94	157.79	6.22	18.18	16.06	93.91	175.15	6.99
10.20	2.48	137.17	40.79	3.93	12.20	2.11	107.79	51.47	4.70	14.20	2.65	117.76	61.74	5.46	16.20	6.10	84.99	161.58	6.23	18.20	18.80	101.73	208.86	7.00
10.22	2.44	134.90	41.39	3.94	12.22	2.08	109.19	50.97	4.70	14.22	2.67	118.27	62.04	5.47	16.22	6.16	80.52	162.58	6.24	18.22	21.10	104.61	248.76	7.01
10.24	2.41	130.91	42.29	3.94	12.24	2.05	112.51	50.77	4.71	14.24	2.66	117.19	61.94	5.48	16.24	6.05	76.75	160.98	6.25	18.24	22.17	108.85	277.08	7.01
10.26	2.39	128.61	42.69	3.95	12.26	2.07	114.33	50.77	4.72	14.26	2.63	115.56	61.64	5.49	16.26	5.88	81.06	159.79	6.25	18.26	22.44	112.30	298.43	7.02
10.28	2.37	126.98	41.89	3.96	12.28	2.18	114.30	51.87	4.73	14.28	2.62	113.01	61.24	5.49	16.28	4.81	93.70	144.43	6.26	18.28	22.29	114.57	310.79	7.03
10.30	2.33	126.57	41.49	3.97	12.30	2.18	114.11	52.07	4.73	14.30	2.56	111.28	60.84	5.50	16.30	3.60	107.49	127.97	6.27	18.30	22.29	115.72	330.94	7.04
10.32	2.34	123.21	41.39	3.97	12.32	2.22	112.58	52.56	4.74	14.32	2.56	108.06	60.94	5.51	16.32	2.91	127.54	119.89	6.28	18.32	22.80	115.30	367.95	7.05
10.34	2.32	123.82	41.29	3.98	12.34	2.23	111.71	53.26	4.75	14.34	2.63	106.43	61.64	5.52	16.34	2.30	159.84	113.90	6.29	18.34	23.13	117.76	404.05	7.05
10.36	2.30	124.42	41.19	3.99	12.36	2.25	113.25	53.16	4.76	14.36	2.69	107.80	62.04	5.52	16.36	1.80	176.43	128.87	6.29	18.36	23.61	110.42	451.63	7.06
10.38	2.23	125.60	40.89	4.00	12.38	2.26	113.66	53.56	4.76	14.38	2.76	107.32	62.64	5.53	16.38	1.64	156.28	154.40	6.30	18.38	24.09	97.23	454.92	7.07
10.40	2.18	124.20	40.59	4.00	12.40	2.30	114.33	54.36	4.77	14.40	2.80	108.31	63.14	5.54	16.40	1.57	135.71	158.49	6.31	18.40	23.68	99.75	247.36	7.08
10.42	2.07	121.07	40.00	4.01	12.42	2.32	115.29	54.66	4.78	14.42	2.82	108.47	64.53	5.55	16.42	1.55	117.51	161.48	6.32	18.42	23.13	115.42	171.65	7.08
10.44	2.03	115.73	39.40	4.02	12.44	2.30	116.40	55.26	4.79	14.44	2.83	106.97	64.43	5.56	16.44	1.49	104.45	166.77	6.32	18.44	23.03	111.65	148.42	7.09
10.46	2.09	110.69	39.70	4.03	12.46	2.35	113.50	56.25	4.80	14.46	2.84	99.17	62.84	5.56	16.46	1.37	89.19	179.53	6.33	18.46	22.82	114.78	138.54	7.10
10.48	2.14	109.03	40.00	4.04	12.48	2.37	110.21	56.65	4.80	14.48	2.86	121.24	64.83	5.57	16.48	1.35	70.86	182.93	6.34	18.48	22.73	114.93	144.43	7.11
10.50	2.16	108.29	42.79	4.04	12.50	2.36	106.28	56.65	4.81	14.50	2.76	121.94	63.83	5.58	16.50	1.39	59.39	190.51	6.35	18.50	22.77	115.41	149.51	7.11
10.52	2.17	103.95	43.79	4.05	12.52	2.35	103.15	56.45	4.82	14.52	2.69	119.80	62.84	5.59	16.52	1.41	55.53	195.59	6.35	18.52	23.20	123.54	162.68	7.12
10.54	2.26	99.73	44.38	4.06	12.54	2.35	101.71	56.15	4.83	14.54	2.64	117.21	62.04	5.59	16.54	1.42	55.30	199.28	6.36	18.54	23.35	132.00	172.55	7.13
10.56	2.29	98.93	44.29	4.07	12.56	2.33	99.57	55.76	4.83	14.56	2.63	116.38	61.94	5.60	16.56	1.39	56.93	202.87	6.37	18.56	23.29	126.95	182.93	7.14
10.58	2.32	98.20	44.19	4.07	12.58	2.29	99.03	55.36	4.84	14.58	2.65	112.97	61.94	5.61	16.58	1.42	51.76	205.47	6.38	18.58	23.57	126.21	187.71	7.15
10.60	2.34	99.44	45.28	4.08	12.60	2.29	100.14	55.26	4.85	14.60	2.62	109.77	62.24	5.62	16.60	1.49	45.18	210.06	6.39	18.60	23.53	129.14	183.03	7.15
10.62	2.35	96.95	45.28	4.09	12.62	2.28	103.21	55.46	4.86	14.62	2.60	109.17	62.44	5.62	16.62	1.93	43.71	229.11	6.39	18.62	24.30	137.60	193.14	7.16
10.64	2.38	97.78	44.88	4.10	12.64	2.26	104.13	55.46	4.86	14.64	2.56	103.74	61.54	5.63	16.64	3.72	49.20	296.73	6.40	18.64	23.15	132.58	130.86	7.17
10.66	2.40	101.71	44.88	4.10	12.66	2.24	103.43	55.56	4.87	14.66	2.52	99.68	60.74	5.64	16.66	5.13	62.20	366.95	6.41	18.66	23.12	130.50	141.93	7.18
10.68	2.40	108.58	44.68	4.11	12.68	2.28	101.10	55.95	4.88	14.68	2.52	97.44	61.14	5.65	16.68	6.20	73.56	329.94	6.42	18.68	23.18	127.11	150.31	7.18
10.70	2.38	110.27	44.19	4.12	12.70	2.40	100.62	57.35	4.89	14.70	2.53	94.70	61.54	5.66	16.70	6.36	72.96	328.15	6.42	18.70	23.34	125.41	156.69	7.19
10.72	2.33	111.29	43.49	4.13	12.72	2.41	97.88	57.45	4.90	14.72	2.56	94.31	61.94	5.66	16.72	6.19	76.92	319.47	6.43	18.72	23.66	125.02	166.77	7.20
10.74	2.26	113.81	42.89	4.13	12.74	2.50	96.34	58.45	4.90	14.74	2.56	95.72	62.64	5.67	16.74	5.92	81.80	311.39	6.44	18.74	24.03	126.67	173.95	7.21
10.76	2.22	115.38	42.19	4.14	12.76	2.52	97.65	58.75	4.91	14.76	2.60	96.36	65.13	5.68	16.76	5.84	85.35	306.31	6.45	18.76	24.08	124.40	178.14	7.21
10.78	2.10	114.51	40.79	4.15	12.78	2.56	99.89	58.85	4.92	14.78	2.61	95.05	65.43	5.69	16.78	5.72	89.18	300.72	6.45	18.78	24.06	119.25	181.73	7.22
10.80	1.94	114.90	39.50	4.16	12.80	2.60	102.38	59.05	4.93	14.80	2.63	96.32	65.63	5.69	16.80	5.22	107.25	292.04	6.46	18.80	23.91	117.20	182.23	7.23
10.82	1.81	113.24	38.20	4.17	12.82	2.64	104.71	59.65	4.93	14.82	2.66	98.59	66.43	5.70	16.82	4.70	112.78	274.89	6.47	18.82	23.59	116.91	182.93	7.24
10.84	1.69	110.49	36.80	4.17	12.84	2.68	109.72	59.75	4.94	14.84	2.67	100.28	67.33	5.71	16.84	4.27	111.98	220.13	6.48	18.84	21.95	115.80	189.11	7.25
10.86	1.54	108.22	35.01	4.18	12.86	2.65	115.75	59.84	4.95	14.86	2.62	99.42	67.23	5.72	16.86	4.69	143.56	179.34	6.48	18.86	22.01	111.36	185.72	7.25
10.88	1.51	108.03	34.81	4.19	12.88	2.70	118.72	60.54	4.96	14.88	2.56	96.64	67.52	5.72	16.88	6.77	153.90	243.07	6.49	18.88	21.51	113.13	170.16	7.26
10.90	1.56	106.18	37.20	4.20	12.90	2.73	122.36	60.84	4.96	14.90	2.52	96.74	67.33	5.73	16.90	8.95	151.54	283.07	6.50	18.90	21.17	119.23	164.67	7.27
10.92	1.61	102.95	49.67	4.20	1																			

FERRARA DEPARTMENT

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COMMITTENTE: ENGEO S.r.l. - Via Suor Maria Adorni, 2
CANTIERE: vicino Parrocchia Sacra Famiglia Soragna (PR)
CPT N° SCPTU 5
DATA 25/10/22
COMMESSA 0345/22

PROF. FALDA (m da p.c.) 10.30
PREFORO (m da p.c.)
C. SITO N°:

SF221121 del 08/11/22

sismocono G1 - CPL2IN
LAT. (WGS 84): 44.926594°
LONG. (WGS 84): 10.123472°



prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	
20.02	20.24	107.93	60.94	7.70	22.02	21.73	154.32	99.94	8.47											
20.04	19.90	109.47	52.36	7.71	22.04	21.50	150.17	97.75	8.47											
20.06	19.62	111.46	46.38	7.71	22.06	21.26	148.28	95.55	8.48											
20.08	17.74	116.99	14.86	7.72	22.08	21.22	146.17	95.55	8.49											
20.10	18.51	111.31	5.59	7.73	22.10	20.57	146.89	25.93	8.50											
20.12	18.67	116.52	0.90	7.74	22.12	21.24	147.73	21.84	8.50											
20.14	18.65	111.42	1.80	7.74	22.14	21.48	147.22	19.65	8.51											
20.16	18.64	106.53	2.49	7.75	22.16	21.61	147.74	18.85	8.52											
20.18	18.39	107.75	2.99	7.76	22.18	21.41	148.18	17.75	8.53											
20.20	18.21	104.04	3.19	7.77	22.20	21.25	148.73	17.55	8.54											
20.22	18.36	99.92	1.80	7.78	22.22	21.71	150.13	21.44	8.54											
20.24	18.40	98.32	0.20	7.78	22.24	23.12	156.23	31.22	8.55											
20.26	18.39	95.38	1.50	7.79	22.26	26.21	159.94	48.87	8.56											
20.28	18.58	93.72	4.19	7.80																
20.30	18.41	96.59	5.49	7.81																
20.32	18.21	101.95	8.68	7.81																
20.34	18.36	98.75	11.47	7.82																
20.36	18.58	102.61	15.36	7.83																
20.38	19.19	101.69	21.44	7.84																
20.40	19.45	101.04	25.33	7.84																
20.42	19.86	107.33	31.32	7.85																
20.44	20.23	103.69	37.50	7.86																
20.46	20.18	115.15	40.20	7.87																
20.48	19.85	123.99	42.29	7.88																
20.50	19.37	148.32	44.09	7.88																
20.52	19.30	162.13	47.38	7.89																
20.54	20.45	145.44	56.85	7.90																
20.56	21.16	136.79	38.50	7.91																
20.58	21.37	138.93	31.52	7.91																
20.60	21.43	137.04	31.62	7.92																
20.62	21.27	133.00	33.21	7.93																
20.64	21.38	137.27	30.92	7.94																
20.66	21.65	140.49	33.41	7.94																
20.68	21.36	136.50	28.93	7.95																
20.70	20.51	131.29	27.33	7.96																
20.72	20.78	133.27	34.51	7.97																
20.74	20.89	143.84	34.61	7.97																
20.76	21.35	145.22	39.30	7.98																
20.78	21.90	146.11	44.78	7.99																
20.80	21.97	160.23	39.30	8.00																
20.82	21.96	162.63	32.22	8.01																
20.84	22.09	168.07	33.61	8.01																
20.86	21.86	149.85	29.62	8.02																
20.88	21.69	155.53	29.32	8.03																
20.90	21.22	156.71	27.53	8.04																
20.92	20.90	163.26	26.43	8.04																
20.94	20.71	164.45	25.13	8.05																
20.96	20.61	157.31	24.54	8.06																
20.98	20.40	157.71	23.74	8.07																
21.00	20.42	160.92	24.04	8.07																
21.02	20.74	160.07	26.23	8.08																
21.04	20.69	148.36	26.43	8.09																
21.06	22.07	145.36	24.84	8.10																
21.08	23.18	146.74	26.93	8.11																
21.10	23.97	150.86	29.72	8.11																
21.12	24.59	153.71	33.11	8.12																
21.14	25.13	157.74	37.10	8.13																
21.16	25.38	160.29	40.50	8.14																
21.18	25.48	162.62	43.69	8.14																
21.20	25.46	163.21	47.18	8.15																
21.22	25.48	164.47	51.87	8.16																
21.24	25.35	163.08	55.56	8.17																
21.26	25.12	164.15	59.75	8.17																
21.28	24.87	162.92	64.23	8.18																
21.30	24.44	160.02	68.52	8.19																
21.32	24.26	157.34	41.79	8.20																
21.34	24.15	157.09	37.30	8.21																
21.36	23.96	154.63	36.70	8.21																
21.38	23.78	149.04	31.82	8.22																
21.40	23.73	142.17	30.02	8.23																
21.42	23.63	139.07	34.31	8.24																
21.44	23.51	134.92	39.70	8.24																
21.46	23.48	132.14	45.58	8.25																
21.48	23.49	128.84	47.48	8.26																
21.50	23.53	130.53	53.66	8.27																
21.52	23.60	129.82	59.35	8.27																
21.54	23.72	131.95	67.43	8.28																
21.56	23.69	131.21	73.21	8.29																
21.58	23.43	131.43	79.99	8.30																
21.60	23.43	134.96	86.38	8.31																
21.62	23.64	140.10	93.16	8.31																
21.64	23.97	149.29	99.34	8.32																
21.66	24.36	155.89	105.33	8.33																
21.68	24.65	159.36	109.22	8.34																
21.70	24.81	161.15	113.31	8.34																
21.72	24.91	160.96	114.90	8.35																
21.74	25.13	165.20	117.99	8.36																
21.76	25.11	167.44	118.59	8.37																
21.78	24.88	166.87	115.70	8.37																
21.80	24.55	165.23	113.61	8.38																
21.82	24.11	163.62	110.21	8.39																
21.84	23.73	164.44	108.42	8.40																
21.86	23.52	163.06	108.62	8.40																

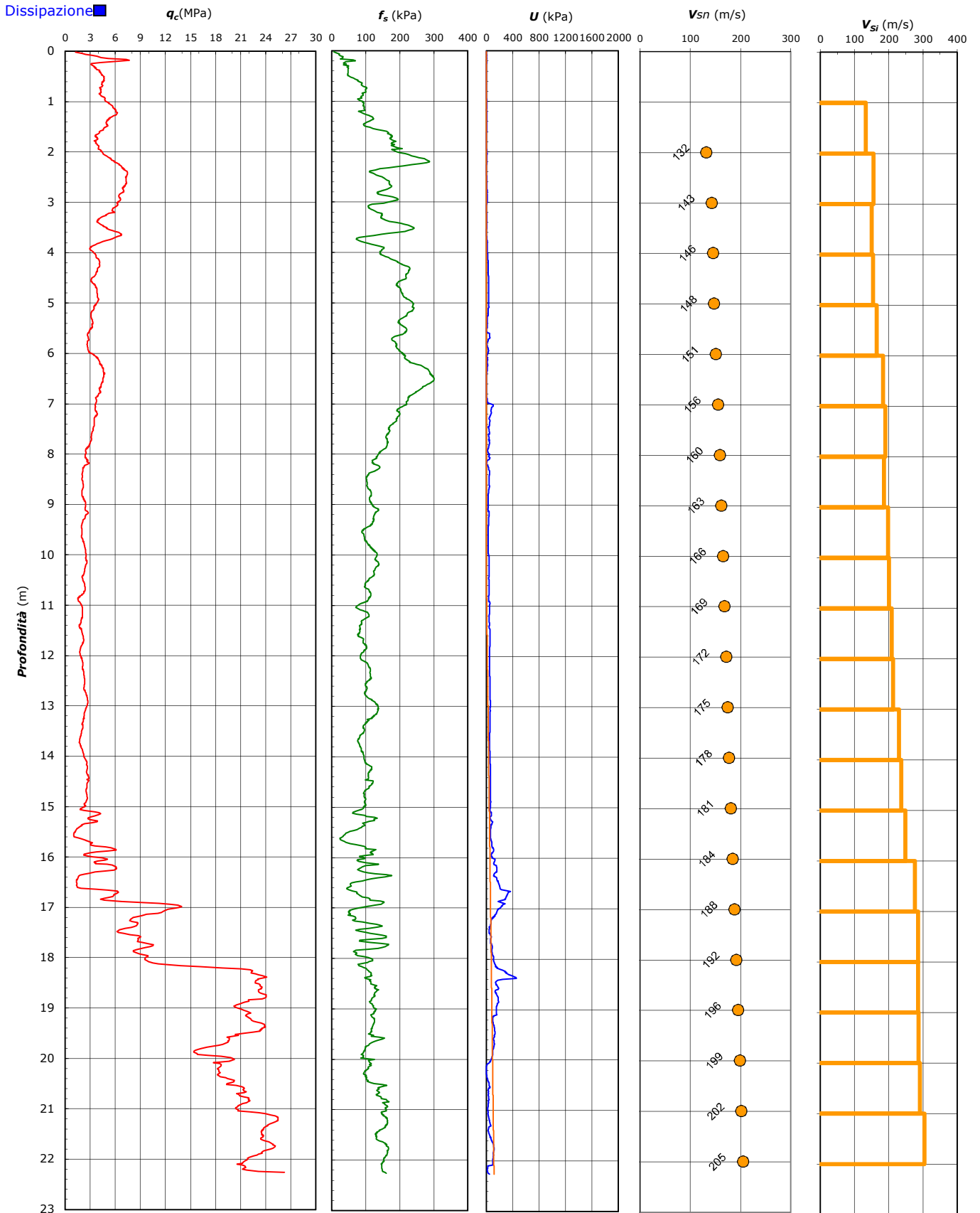
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COMMITTENTE: ENGEO S.r.l. - Via Suor Maria Adorni, 2
CANTIERE: vicino Parrocchia Sacra Famiglia Soragna (PR)
 CPT N° SCPTU 5 PROF. FALDA (m da p.c.) 10.30
 DATA 25/10/22 PREFORO (m da p.c.)
 COMMESSA 0345/22 C. SITO N°:

SF221121 del 08/11/22

sismocono G1 - CPL2IN
 LAI. (WGS 84): 44.926594°
 LONG. (WGS 84): 10.123472°



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CPT N° SCPTU 5
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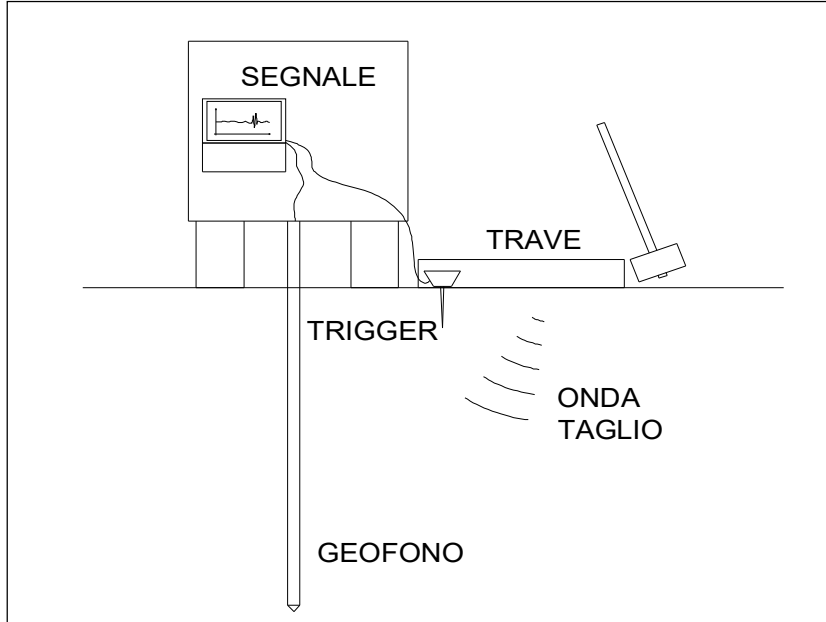
PROF. FALDA (m da p.c.)
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Prova Down Hole ASTM D 7400



Profondità (m)	Ts (ms)	L (m)	Vs (m/s)	Vis (m/s)
1.0	T0	1.30	-	-
2.0	7.55	2.30	132	132
3.0	13.96	3.30	143	156
4.0	20.58	4.30	146	151
5.0	27.06	5.29	148	154
6.0	33.09	6.29	151	165
7.0	38.51	7.29	156	184
8.0	43.74	8.29	160	191
9.0	49.08	9.28	163	186
10.0	54.11	10.28	166	198
11.0	59.07	11.27	169	200
12.0	63.82	12.26	172	209
13.0	68.48	13.26	175	213
14.0	72.78	14.25	178	230
15.0	76.97	15.24	181	236
16.0	80.94	16.22	184	249
17.0	84.51	17.21	188	277
18.0	87.95	18.19	192	286
19.0	91.40	19.18	196	286
20.0	94.82	20.16	199	287
21.0	98.19	21.14	202	291
22.0	101.40	22.12	205	304

CATEGORIA SOTTOSUOLO

Intervallo di profondità considerato per il calcolo della Vs30: m 1.0 - 22.0

- D = Distanza centro trave generatrice onde di taglio - verticale di prova m = 1.00
- Profondità = Profondità punta da piano campagna
- Ts = Tempo percorrenza onda di taglio
- L = Lunghezza percorso onda di taglio
- Vs = Velocità onde di taglio da piano campagna alla profondità ind = 22.0 m
- Vis = Velocità onde di taglio nello strato di terreno compreso fra le due profondità indicate

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sismocono G1 - CPL2IN
LAT. (WGS 84): 44.926594°
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UBICAZIONE

Località: vicino Parrocchia Sacra Famiglia Soragna (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova