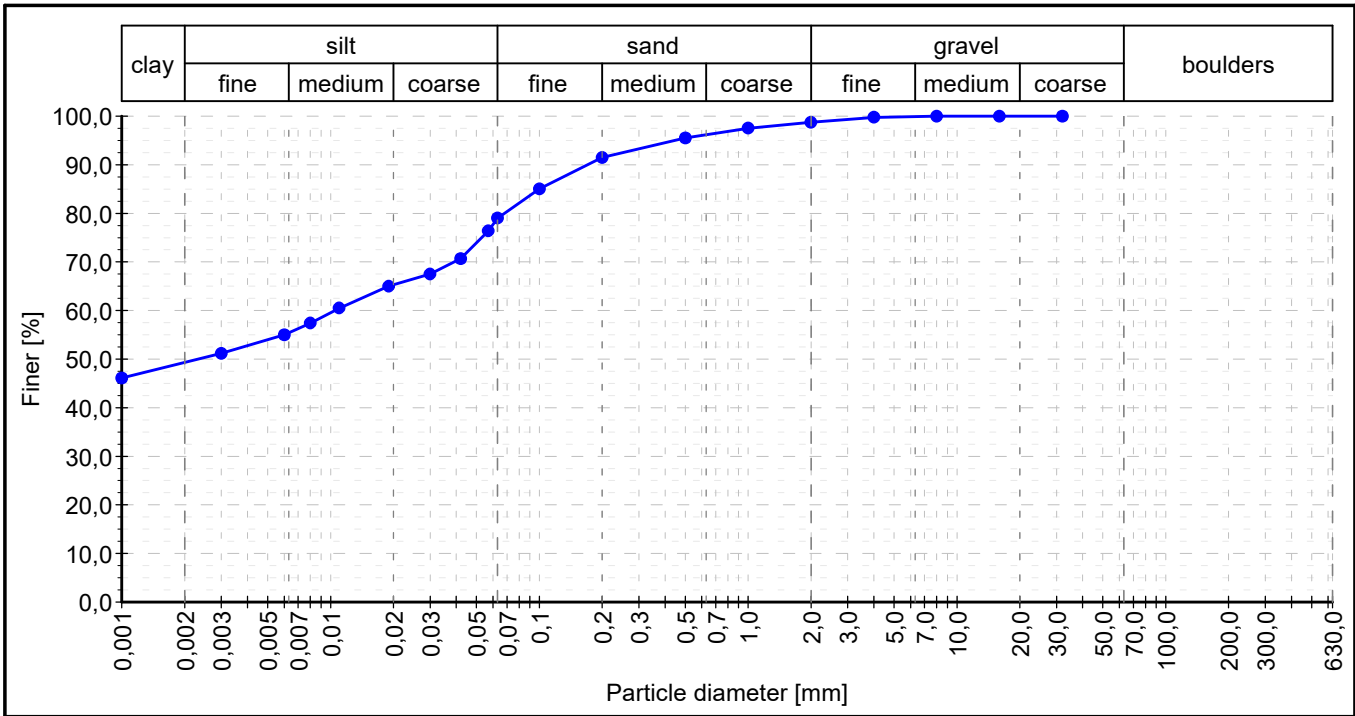


 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Particle Size Determination Test	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Particle size determination		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 02.08.2022		Performed by: John Young

Sample	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

Specimen	
Specimen ID: VA1/1254-1	Depth: 7,40 m

Measured values and results



Fraction content:	Total weight: 50,00 g
Clay: 48,7 %	Weight check: 49,99 g
Silt: 30,4 %	Check limit: 0,3 %
Sand: 19,7 %	Verification: 0,0 %
Gravel: 1,2 %	Result: Satisfactory
Stones: 0,0 %	

Uniformity coefficient :	Coefficient of curvature :
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Soil class:	CI (EN ISO 14688-2 (2018))
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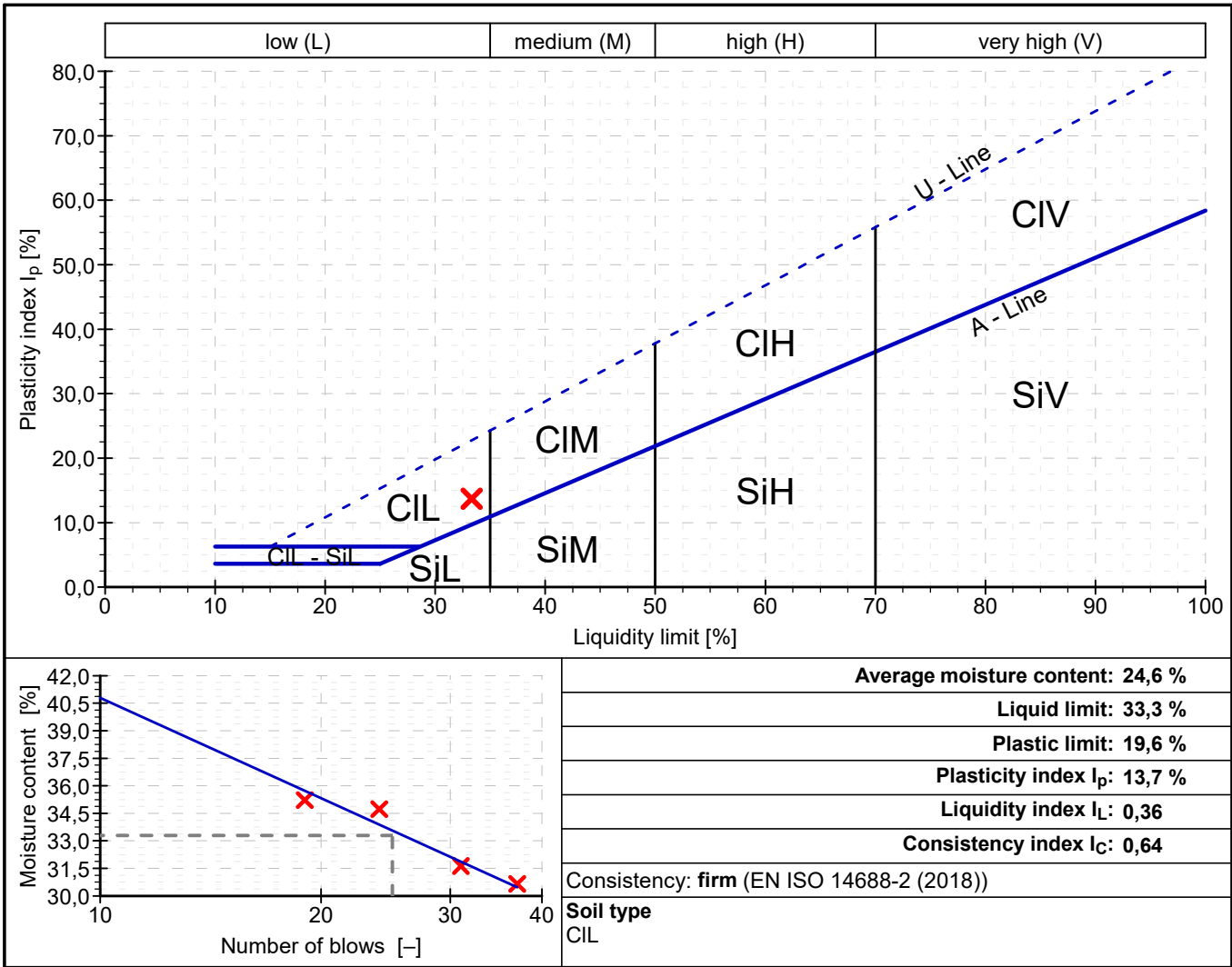
Notes Specimen supplied by customer. Combined test (sieve analysis + hydrometer test). The sample was prepared and tested in accordance with EN ISO 17892-04.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 18.08.2022	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Atterberg Limits	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Consistency		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 17.05.2023		Performed by: John Young

Sample	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

Specimen	
Specimen ID: V1A/1254-3	Depth: 7,20 m

Measured values and results



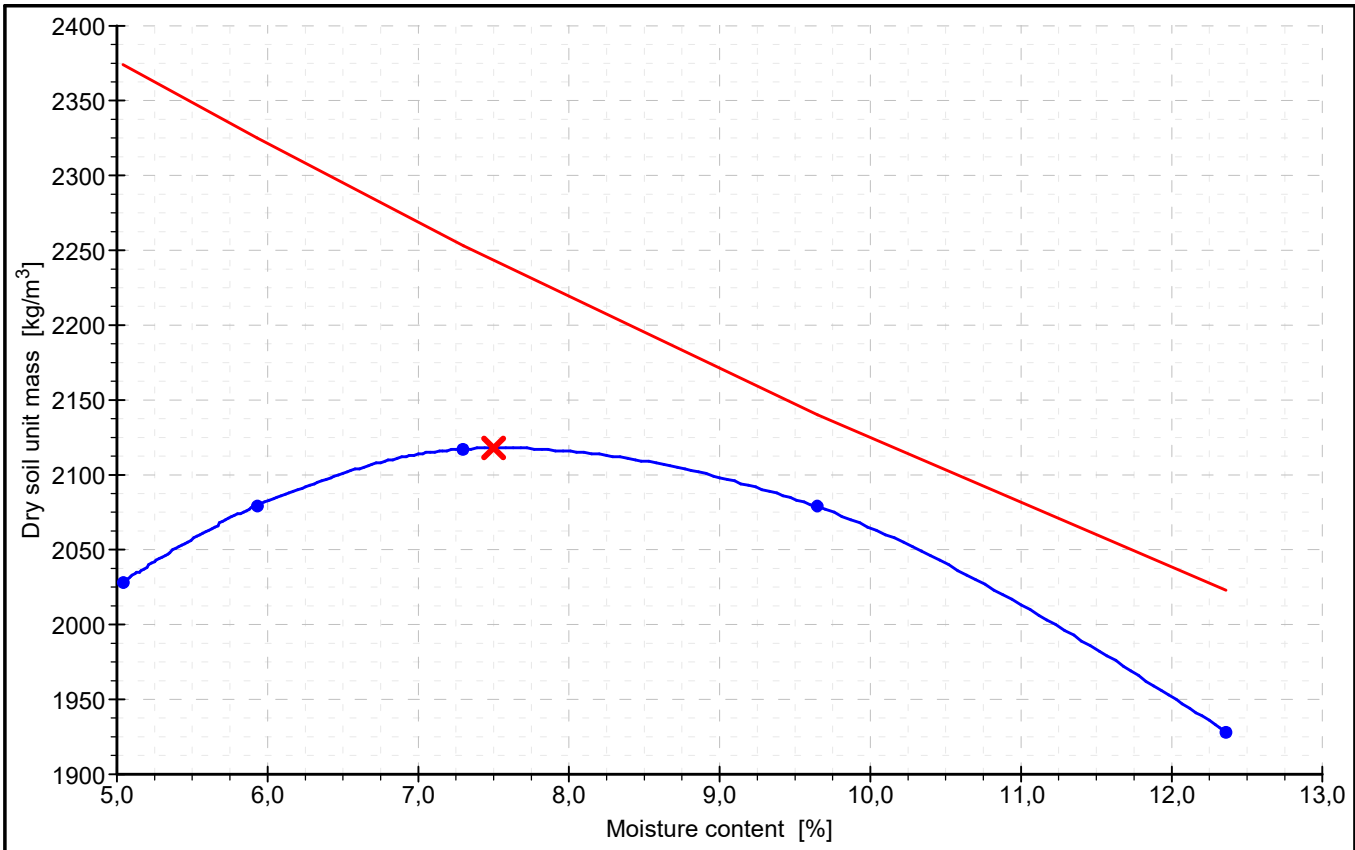
Notes Specimen supplied by customer. Test method: Casagrande. Test performed in accordance with EN ISO 17892-12.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 22.05.2023	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Soil Compaction Test (Proctor modified)	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Compaction		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 12.09.2023		Performed by: John Young

Sample	
Field test: BH7	Sample type: disturbed
Sample index: VA4/A2	Geotechnical type: GT3
Depth from: 9,00 m	Description: Sandy clay with low plasticity. Grey-brown color.
Depth to: 9,90 m	

Specimen:	
Specimen ID: VA4/A2-4	Particle density: 2697,0 kg/m ³
Depth: 9,30 m	

Measured values and results	
Type of test: modified	Hammer type: B
	Mold type: B



Calculated max. dry soil unit mass: 2118 kg/m ³
Calculated optimal moisture content: 7,5 %

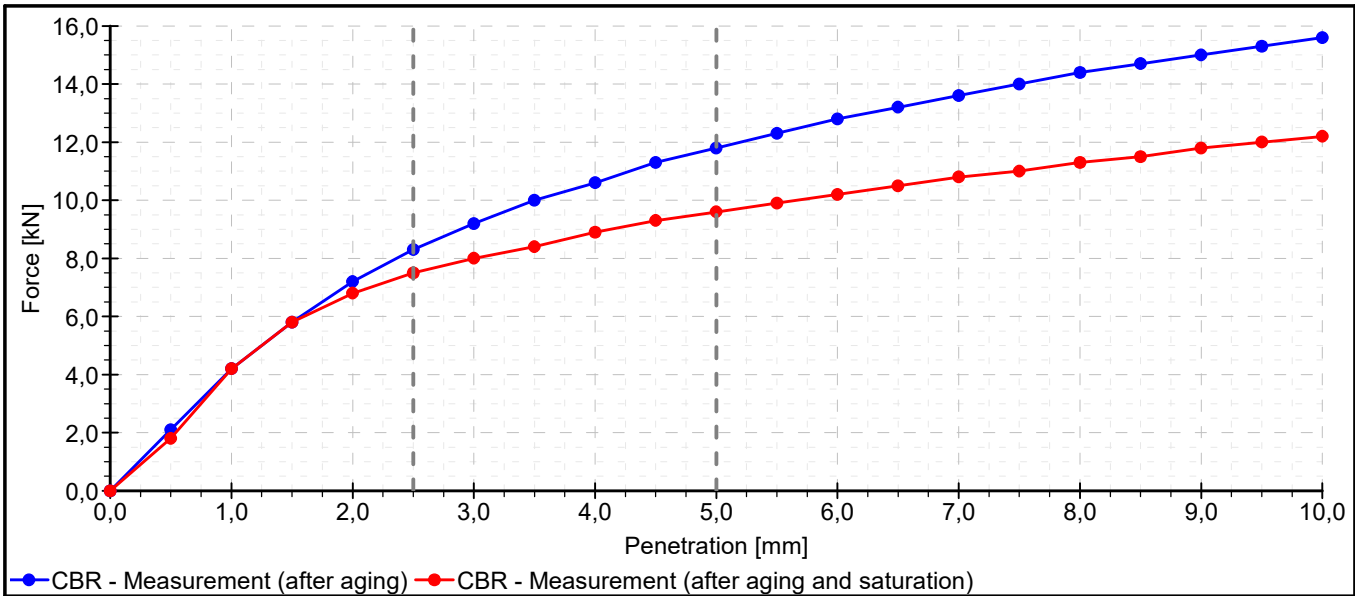
Notes The test was carried out on a specimen supplied by the customer. Specimen prepared and tested in accordance with EN 13286-2 (6.4). Particle density determined by measurement according to EN ISO 17892-03.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 15.09.2023	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	California Bearing Ratio (CBR)	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: CBR		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 07.09.2022		Performed by: John Young

Sample	
Field test: BH4	Sample type: disturbed
Sample index: PV2/B4	Geotechnical type: GT4
Depth from: 10,20 m	Description: Well-grained sand. Yellow-brown color. Aged.
Depth to: 10,80 m	

Specimen	
Specimen ID: PV2/B4-5	Additive: 2% Dorosol 50
Depth: 10,60 m	Aging conditions: stored in an impermeable package
Height: 120,12 mm	Specimen aging time: 3 day
Diameter: 150,65 mm	Saturation time: 96 hour
Initial state	State after saturation
Moisture content: 12,9 %	Moisture content: 15,5 %
Wet unit weight: 2053,0 kg/m ³	Wet unit weight: 2101,0 kg/m ³
Dry unit mass: 1819,0 kg/m ³	Dry unit mass: 1819,0 kg/m ³
Saturation: 72,0 %	Saturation: 86,0 %

Measured values and results



State after aging	State after saturation
CBR _{2,5mm} : 62,9 %	CBR _{2,5mm} : 56,8 %
CBR _{5mm} : 59,0 %	CBR _{5mm} : 48,0 %
CBR: 62,9 %	CBR: 56,8 %

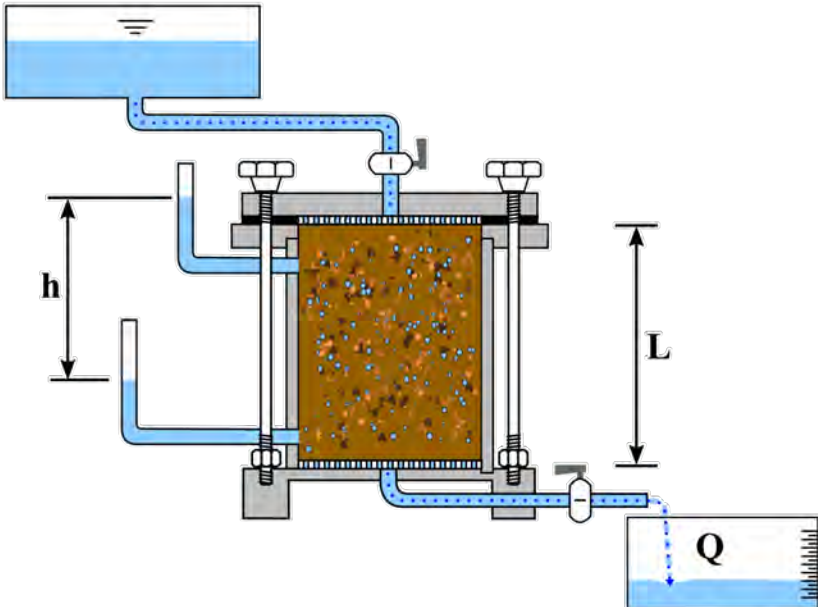
Notes Specimen preparation: specimen compacted with 100% PS energy after addition of additive. Compaction of the specimen according to EN 13286-2. Particle density = 2700 kg/m3 (estimate). Swelling considered relative to the original height of the specimen. Test performed in accordance with EN 13286-47.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 16.09.2022	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Permeability Test	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Permeability constant head		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 04.05.2023		Performed by: John Young

Sample	
Field test: BH7	Sample type: disturbed
Sample index: VA4/A2	Geotechnical type: GT3
Depth from: 9,00 m	Description: Sandy clay with low plasticity. Grey-brown color.
Depth to: 9,90 m	

Specimen	
Specimen ID: VA4/A2-2	Depth: 7,15 m
Specimen length: 75,00 mm	Moisture content: 22,52 %
Specimen diameter: 75,00 mm	Unit weight: 1852,5 kg/m ³
Specimen area: 4417,86 mm ²	Dry unit mass: 1512,0 kg/m ³

Measured values
Type of test: Constant head

	Measurement Nr.	Permeability [m/s]
	1A	4,38E-04
	2A	4,78E-04
	1B	4,32E-04
	2B	4,63E-04

Results
Average permeability: 4,53E-04 m/s

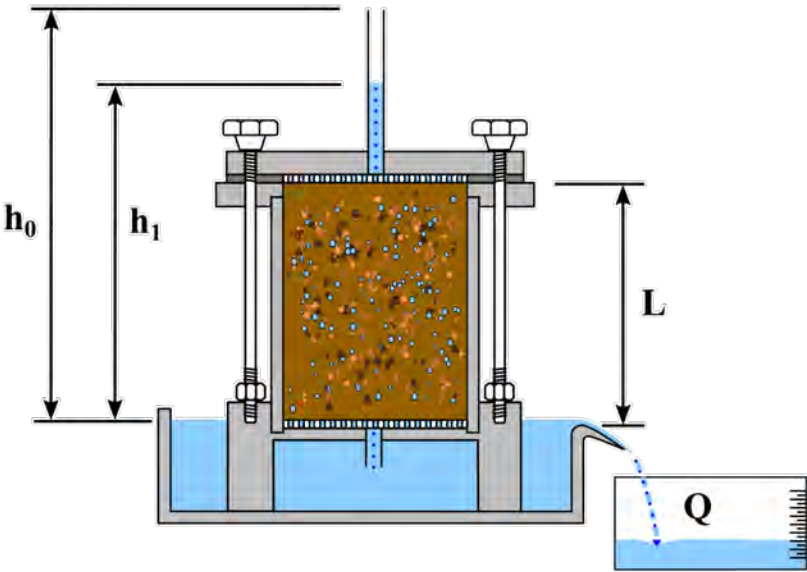
Notes Specimen supplied by customer. Test performed in accordance with EN ISO 17892-11.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 17.05.2023	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Permeability Test	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Permeability falling head	Project ID: 2022/3548	
Supplier: GEO5 Laboratory Ltd.	Customer: Survey ABC Ltd.	
Date of measurement: 04.05.2023	Performed by: John Young	

Sample	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

Specimen	
Specimen ID: VA1/1254-6	Depth: 7,60 m
Specimen length: 115,00 mm	Moisture content: 24,70 %
Specimen diameter: 100,00 mm	Unit weight: 1817,0 kg/m ³
Specimen area: 7853,98 mm ²	Dry unit mass: 1457,0 kg/m ³

Measured values	
Type of test: Falling head	

	Measurement Nr.	Permeability [m/s]
	1A	2,28E-06
	1B	1,37E-06
	1C	1,08E-06

Results
Average permeability: 1,58E-06 m/s

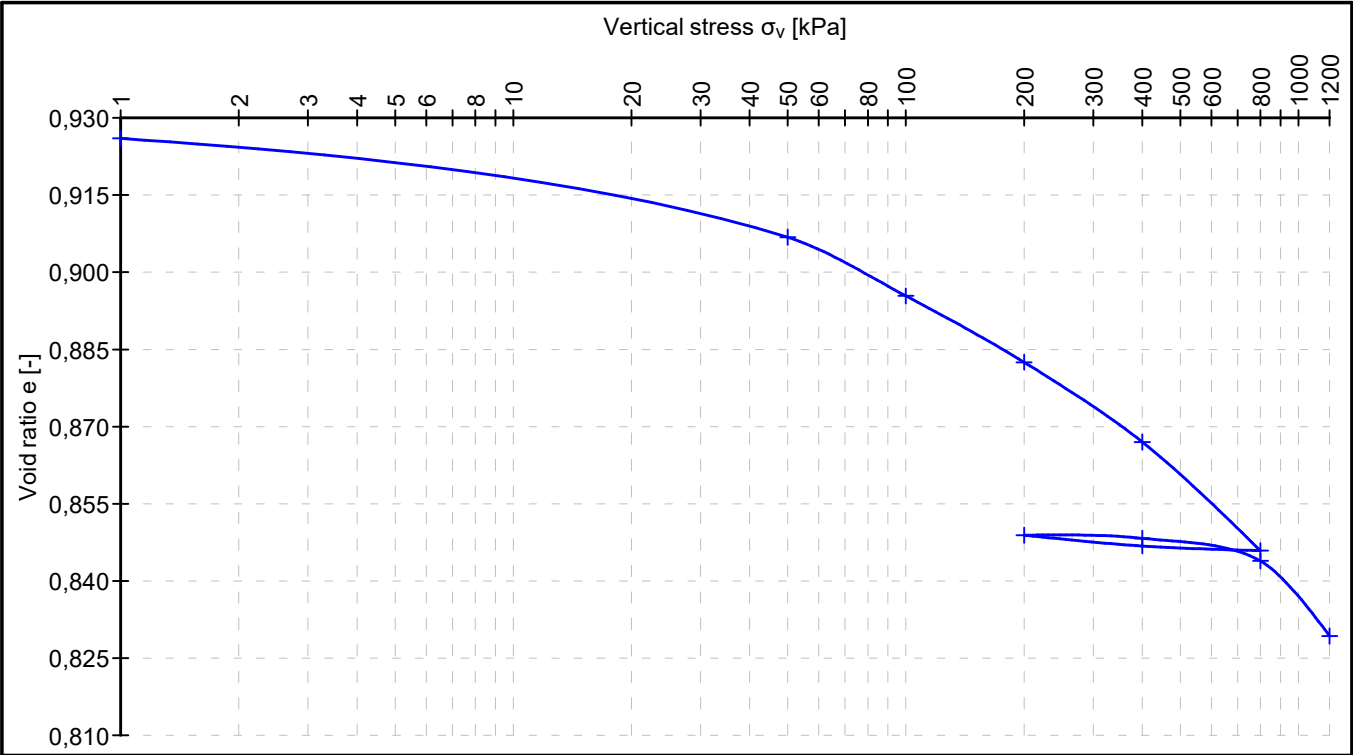
Notes Specimen supplied by customer. Test performed in accordance with EN ISO 17892-11.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 17.05.2023	

Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Oedometer Test		
	Project: Apartment building "Moonlighting" - Survey for building permit		
Test ID: Oedometer		Project ID: 2022/3548	
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.	
Date of measurement: 04.04.2023		Performed by: John Young	

Sample	
Field test: BH4	Sample type: disturbed
Sample index: PV2/B4	Geotechnical type: GT4
Depth from: 10,20 m	Description: Well-grained sand. Yellow-brown color. Aged.
Depth to: 10,80 m	

Specimen		
Specimen ID:	PV2/B4-1A	Depth: 10,35 m
	Before test	After test
Height [mm]	30,00	28,49
Diameter [mm]	120,00	
Particle density [kg/m³]	2645,0	
Void ratio [-]	0,926	0,829

Naměřené hodnoty a výsledky



Load step	Vertical stress σ_v [kPa]	Vertical Strain ϵ_v [%]	Void ratio e [-]	Oedometric modulus E_{oed} [MPa]	Volumetric compression coefficient m_v [1/MPa]	Compression index C_c [-]	Recompression index C_r [-]
NaN - 0	0,000	0,000	0,926				
0 - 50	50,000	0,997	0,907	5,02	0,1992	0,002	
50 - 100	100,000	1,590	0,895	8,43	0,1186	0,040	
100 - 200	200,000	2,257	0,883	14,99	0,0667	0,040	
200 - 400	400,000	3,063	0,867	24,81	0,0403	0,053	
400 - 800	800,000	4,157	0,846	36,56	0,0274	0,070	
800 - 400	400,000	4,113	0,847				0,003
400 - 200	200,000	4,003	0,849				0,007
200 - 400	400,000	4,033	0,848				0,003

Load step	Vertical stress σ_v [kPa]	Vertical Strain ϵ_v [%]	Void ratio e [-]	Oedometric modulus E_{oed} [MPa]	Volumetric compression coefficient m_v [1/MPa]	Compression index C_c [-]	Recompression index C_r [-]
400 - 800	800,000	4,263	0,844				0,013
800 - 1200	1200,000	5,020	0,829	52,84	0,0189	0,085	

Notes Specimen supplied by customer. Test performed in accordance with EN ISO 17892-05.		
Verified by: Peter Filmer	Date of issue: 21.04.2023	

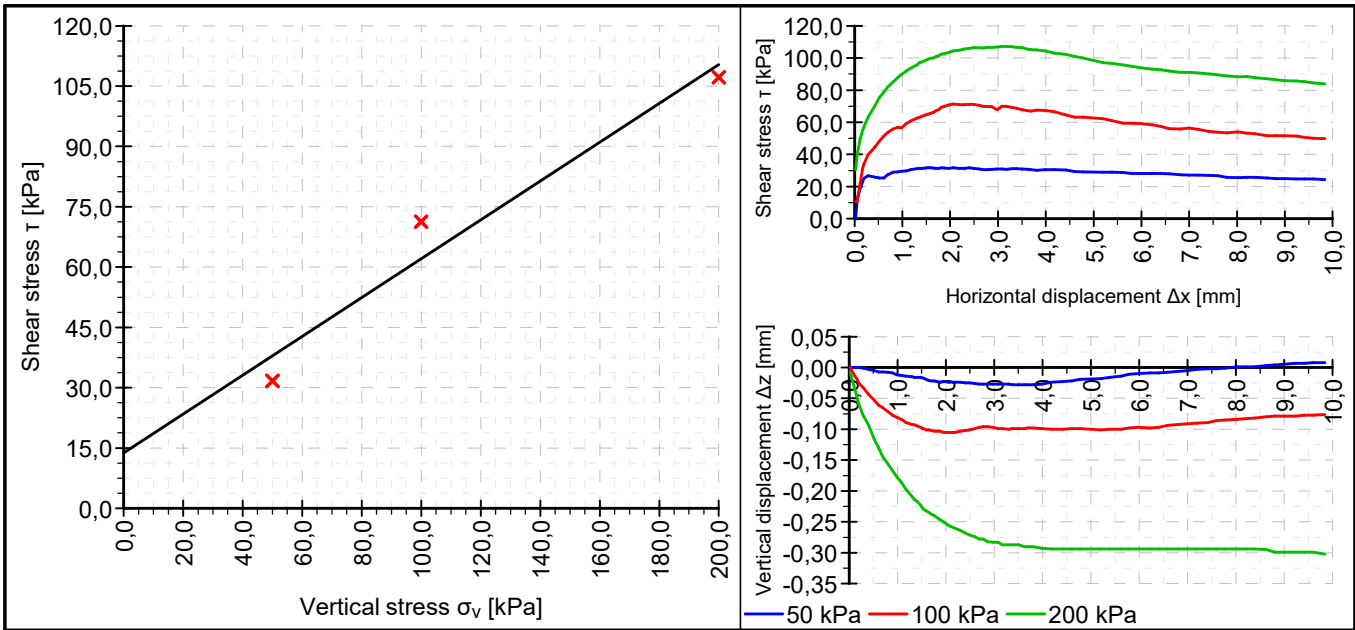
Razítko a podpis

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Shear Box Test	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Shear box test		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 27.03.2023		Performed by: John Young

Sample	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

Specimen				
Specimen ID: VA1/1254-12		Consolidation time: 24,0 hour		
Depth: 7,35 m		Shear rate: 0,001 mm/min		
	Before test	Specimen Nr. 1	Specimen Nr. 2	Specimen Nr. 3
Dimensions (width/height) [mm]	-	60,00 / 21,00	60,00 / 21,00	60,00 / 21,00
Moisture content [%]	22,45	24,40	24,30	22,10
Consolidation (before test) [mm]	-	0,210	0,550	1,170
Vertical stress [kPa]	-	50	100	200
Max. shear stress [kPa]	-	31,7	71,3	107,2
Wet unit weight [kg/m³]	1802,0	1848,0	1921,0	1967,0
Dry unit mass [kg/m³]	1472,2	1485,5	1545,4	1610,9
Displacement at failure [mm]	-	1,530	2,061	3,080

Measured values and results



Test results:	Angle of internal friction φ_{ef} [°]	Cohesion c_{ef} [kPa]
	Peak values: 25,8	13,8

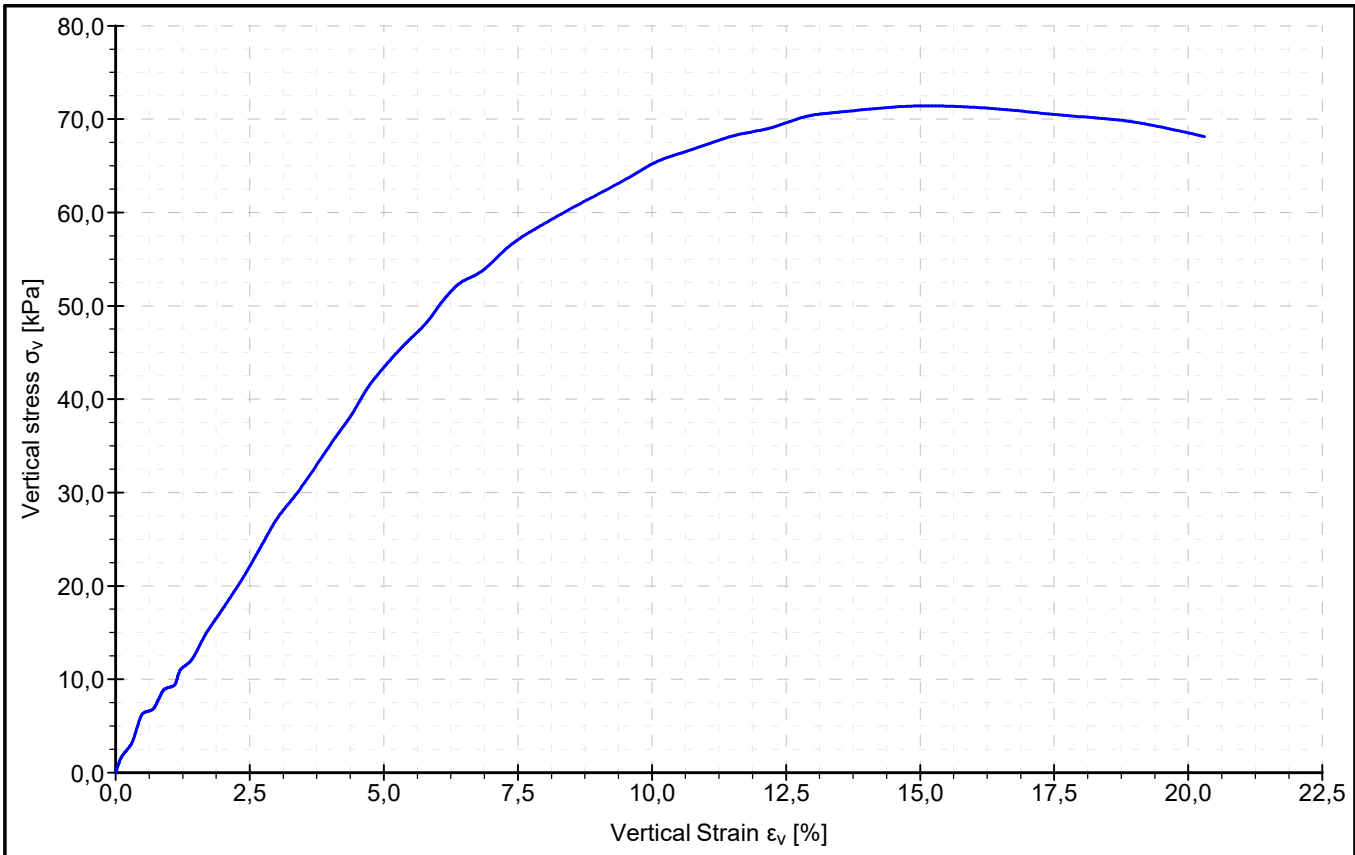
Notes Specimens were flooded with water during the test. Moisture content indicated for the test specimens is after the end of the test (moisture content determined according to EN ISO 17892-01). Specimen supplied by the customer, test results refer to the sample as received. Test equipment: hydraulic shear device. Test performed in accordance with EN ISO 17892-10.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 28.03.2023	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Uniaxial Compression Test (Soil)	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: 1D compression (soil)		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 14.09.2022		Performed by: John Young

Sample	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

Specimen	
Specimen ID: VA1/1254-1	Weight: 336,54 g
Depth: 7,10 m	Moisture content: 22,40 %
Height: 98,54 mm	H/D ratio: 2,0
Diameter: 49,12 mm	Unit weight: 18,02 kN/m ³

Measured values and results



Compressive strength: 71,4 kPa	At strain: 14,9 %
Undrained shear strength: 35,7 kPa	Stress rate: 0,950 mm/min

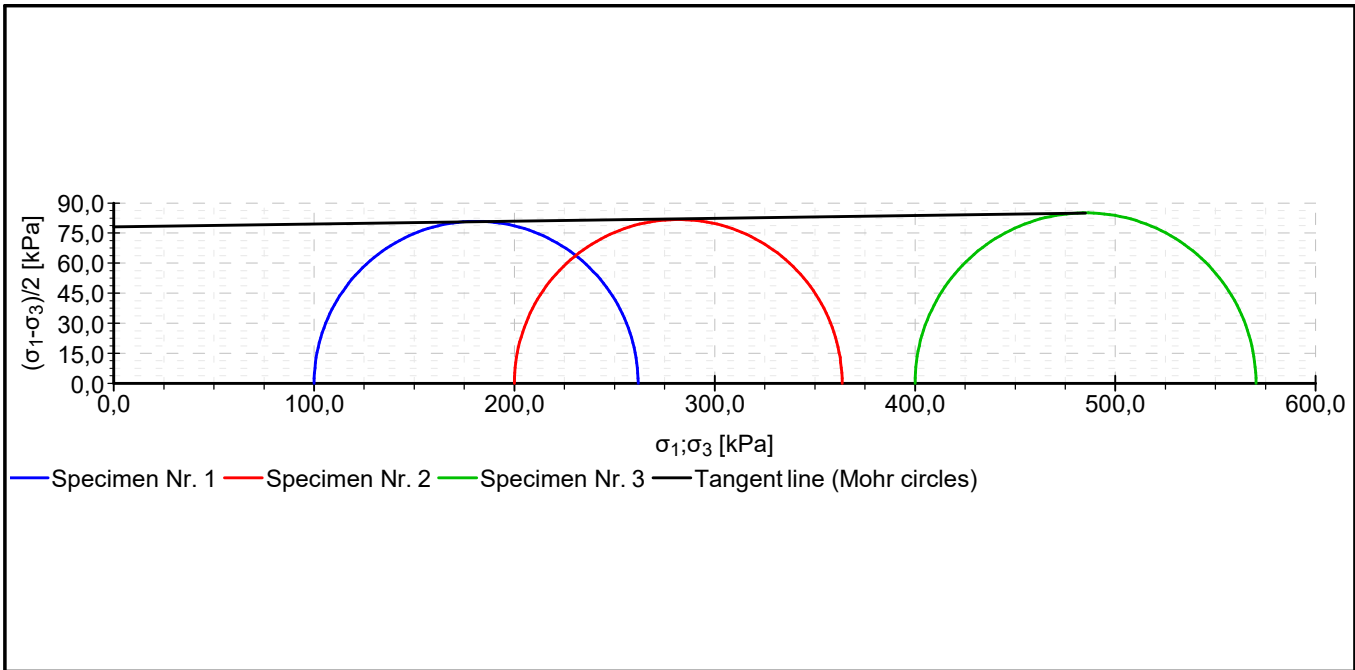
Notes Specimen supplied by customer. Stated moisture content is initial (determined according to EN ISO 17892-01). Tested specimen was undisturbed. Test performed in accordance with EN ISO 17892-07.	
Verified by: Peter Filmer	Date of issue: 30.09.2022 Stamp and signature

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Unconsolidated Undrained Triaxial Test (UU)	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Triax UU		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		
Customer: Survey ABC Ltd.		Performed by: John Young

Sample	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

Specimen			
Specimen ID: VA1/1254-6A	Depth: 7,55 m		
	Specimen Nr. 1	Specimen Nr. 2	Specimen Nr. 3
Date of measurement	14.05.2023	15.05.2023	16.05.2023
Initial diameter d ₀ [mm]	38,12	37,88	38,06
Initial height h ₀ [mm]	75,94	76,12	76,22
Initial area A ₀ [mm ²]	1141,29	1141,29	1137,70
Initial volume V ₀ [cm ³]	86,67	85,78	86,72
Moisture content before test w ₀ [%]	22,50	22,30	22,60
Moisture content after test w _{fin} [%]	21,70	21,60	21,20
Shear rate [mm/min]	0,750	0,750	0,750

Measured values and results



Test results:	Undrained shear strength S _u [kPa]
	78,1

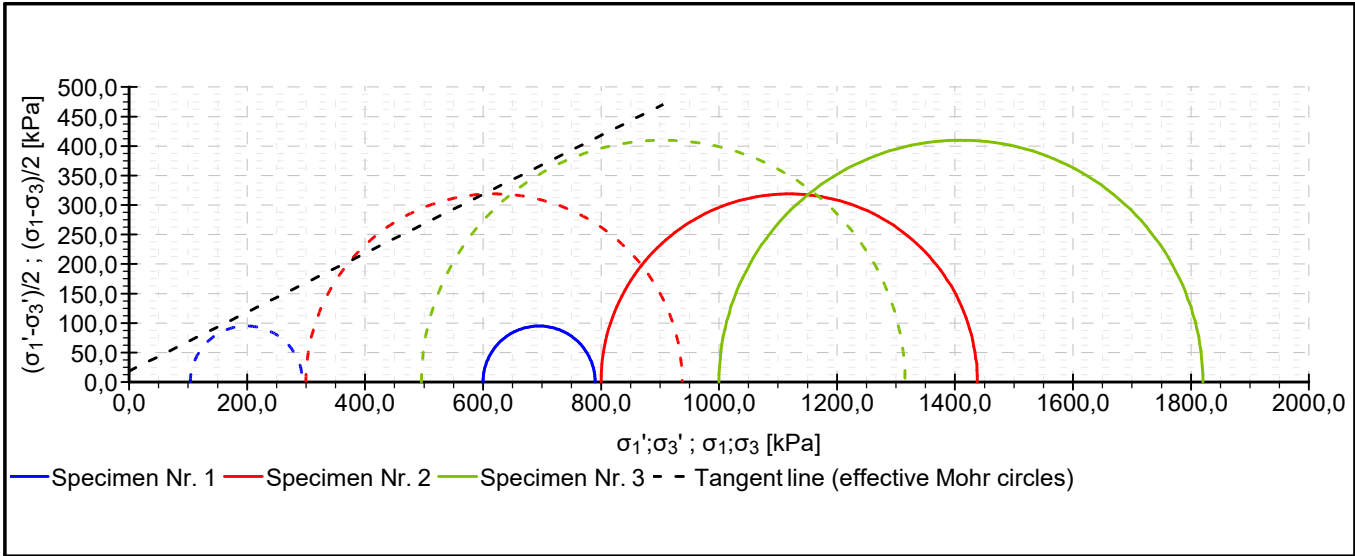
Notes The test was carried out on a specimen supplied by the customer. Undisturbed specimen. Moisture content determined according to EN ISO 17892-01. Test without measurement of pore pressures and volume changes. Initial porosity, saturation and particle density - not measured/not determined. Test performed in accordance with EN ISO 17892-08.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 19.06.2023	

Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Consolidated Undrained Triaxial Test (CU)	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Triax CU		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		
Customer: Survey ABC Ltd.		Performed by: John Young

Sample	
Field test: BH5	Sample type: undisturbed
Sample index: VA1/1254	Geotechnical type: GT2
Depth from: 7,00 m	Description: Clay with low plasticity, stiff, gray-blue color
Depth to: 7,80 m	

Specimen			
Specimen ID: VA1/1254-8c		Depth: 7,70 m	
	Specimen Nr. 1	Specimen Nr. 2	Specimen Nr. 3
Date of measurement	08.05.2023	10.05.2023	06.05.2023
Initial diameter d ₀ [mm]	38,32	37,94	38,36
Initial height h ₀ [mm]	76,88	76,24	76,56
Initial area A ₀ [mm ²]	1153,30	1130,54	1155,71
Initial volume V ₀ [cm ³]	88,67	86,19	88,48
Moisture content before test w ₀ [%]	22,45	22,65	22,55
Moisture content after test w _{fin} [%]	21,32	21,24	21,08
Shear rate [mm/min]	0,032	0,032	0,032

Measured values and results



Test results:	Undrained shear strength (specimen no.1): S _{u,1} = 95,0 kPa	
	Undrained shear strength (specimen no.2): S _{u,2} = 319,0 kPa	
	Undrained shear strength (specimen no.3): S _{u,3} = 410,0 kPa	
	Angle of internal friction φ _{ef} [°]	Cohesion c _{ef} [kPa]
	26,5	18,5

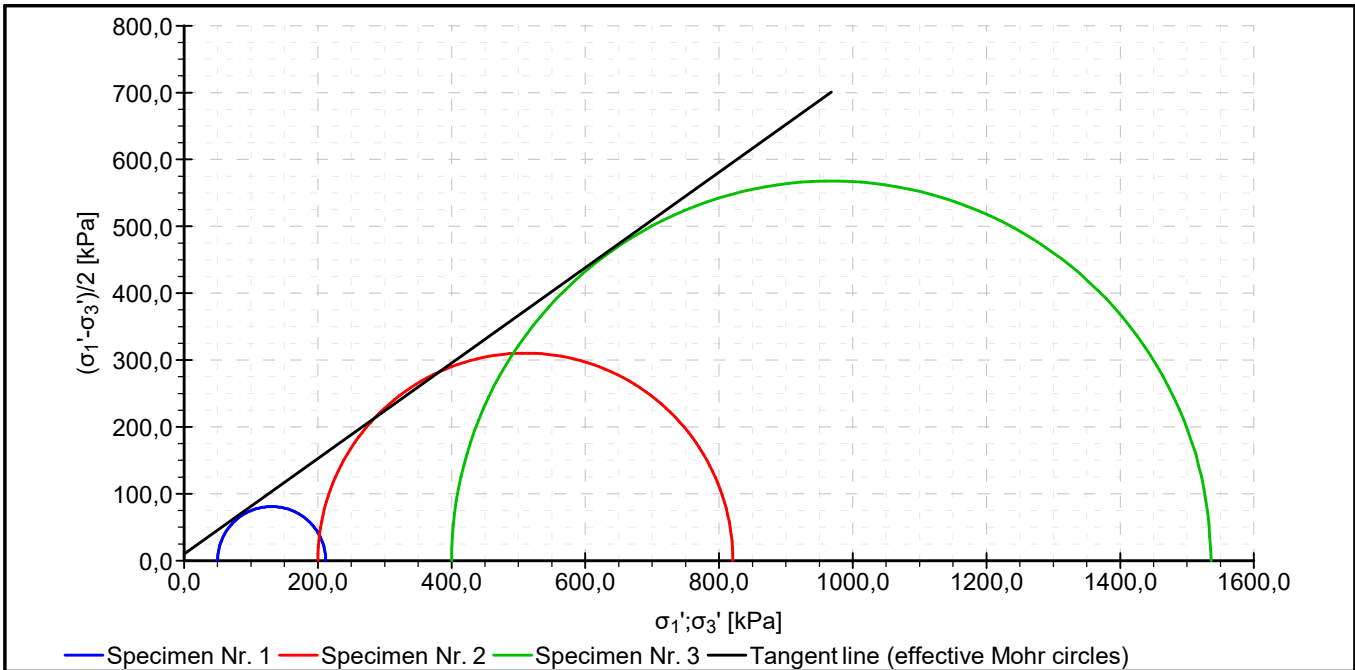
Notes The test was carried out on a specimen supplied by the customer. Undisturbed specimen. Moisture content determined according to EN ISO 17892-01. Test without measurement of pore pressures and volume changes. Initial porosity, saturation and particle density - not measured/not determined. Test performed in accordance with EN ISO 17892-08.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 28.06.2023	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Consolidated Drained Triaxial Test (CD)	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Triax CD		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		
Customer: Survey ABC Ltd.		Performed by: John Young

Sample	
Field test: BH4	Sample type: disturbed
Sample index: PV2/B4	Geotechnical type: GT4
Depth from: 10,20 m	Description:
Depth to: 10,80 m	Well-grained sand. Yellow-brown color. Aged.

Specimen			
Specimen ID: PV2/B4-3A	Depth: 10,30 m		
	Specimen Nr. 1	Specimen Nr. 2	Specimen Nr. 3
Date of measurement	10.09.2023	10.09.2023	10.09.2023
Initial diameter d_0 [mm]	37,22	37,94	38,08
Initial height h_0 [mm]	82,84	82,41	80,84
Initial area A_0 [mm ²]	1088,03	1130,54	1138,90
Initial volume V_0 [cm ³]	90,13	93,17	92,07
Moisture content before test w_0 [%]	12,90	12,70	12,20
Moisture content after test w_{fin} [%]	14,10	13,85	12,95
Shear rate [mm/min]	0,085	0,085	0,085

Measured values and results



Test results:	Angle of internal friction ϕ_{ef} [°]	Cohesion c_{ef} [kPa]
	35,5	9,9

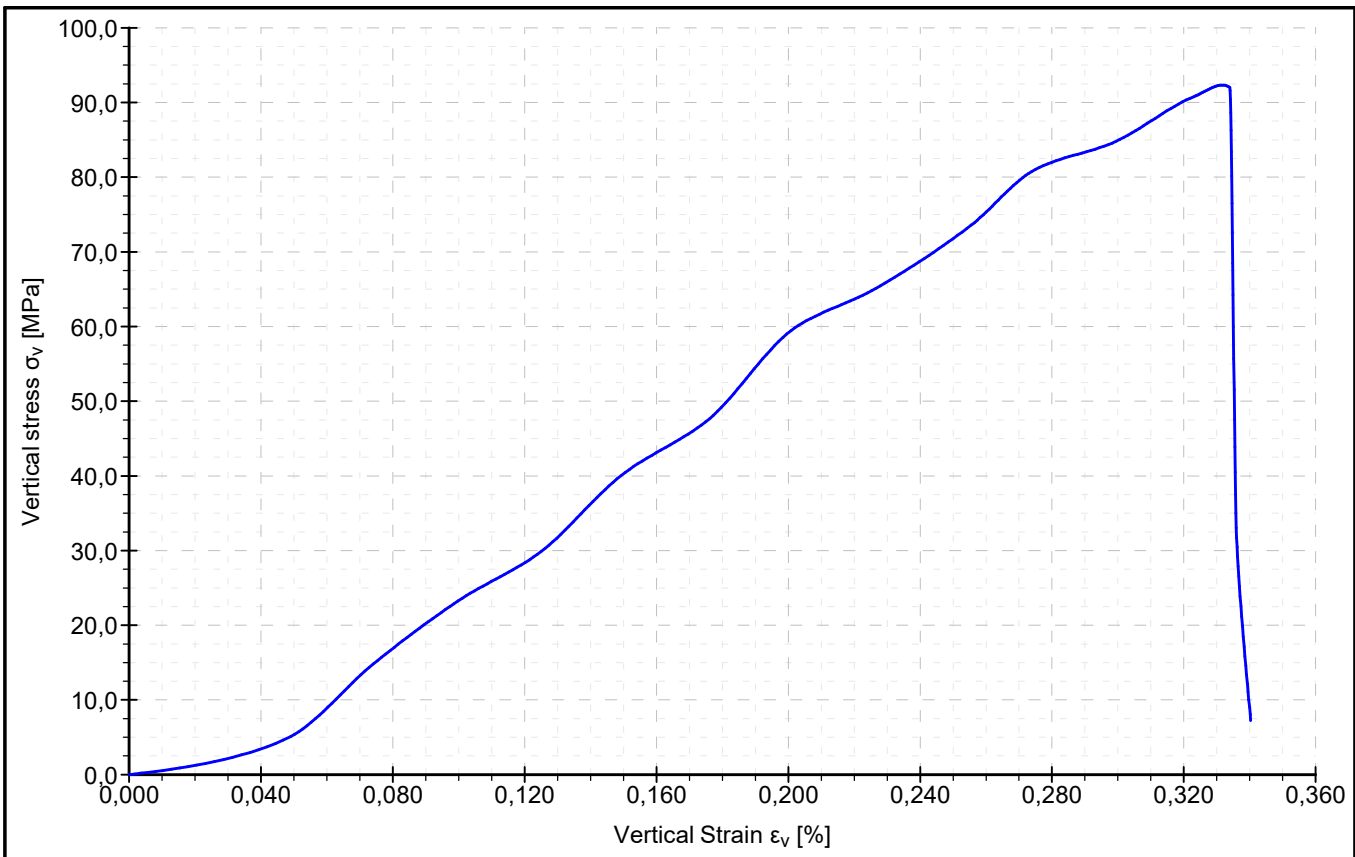
Notes The test was carried out on a specimen supplied by the customer. Disturbed specimen. Moisture content determined according to EN ISO 17892-01. Test performed in accordance with EN ISO 17892-08.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 17.09.2023	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Uniaxial Compression Test (Rock)	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: 1D compression (rock)		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 14.06.2022		Performed by: John Young

Sample	
Field test: BH6	Sample type: rock strength
Sample index: RC2/7	Geotechnical type: GT1a
Depth from: 20,10 m	Description:
Depth to: 20,90 m	Granodiorite, slightly weathered.

Specimen	
Specimen ID: RC2/7-2	Weight: 401,25 g
Depth: 20,30 m	Moisture content: 1,70 %
Height: 93,15 mm	H/D ratio: 2,1
Diameter: 44,22 mm	Unit weight: 28,05 kN/m ³

Measured values and results



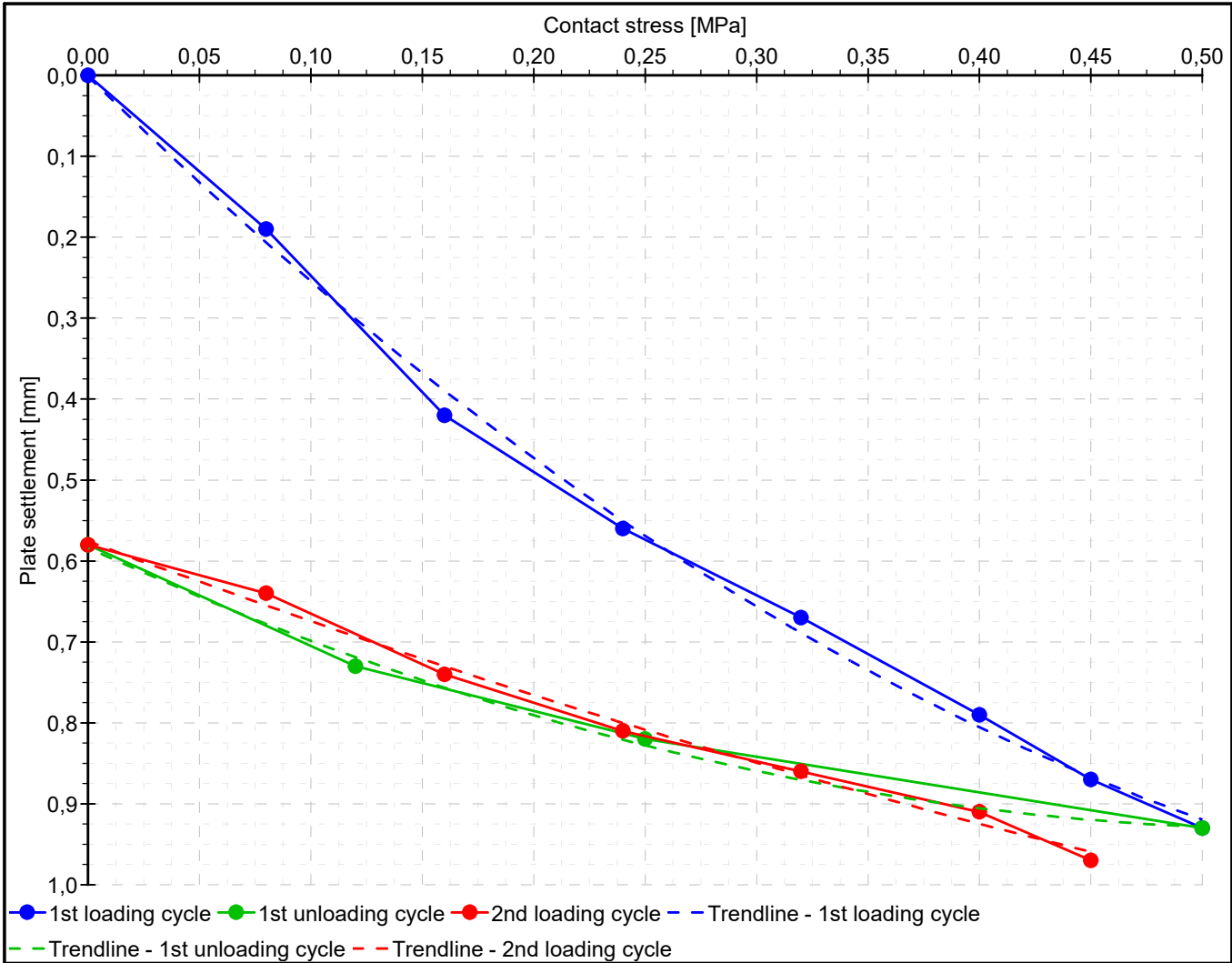
Failure type: Axial cleavage	Stress rate: 0,150 mm/min
Compressive strength: 92,0 MPa	

Notes Specimen delivered by the customer on 13/06/2022. Specimen was prepared and tested according to EN 1926 standard. No leveling mortar was used during testing.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 18.06.2022	

 Fine spol. s r.o. Závěrka 12, Praha 6 169 00, Czech Rep. www.fine.cz	Static Plate Load Test	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Plate A - road	Project ID: 2022/3548	
Supplier: GEO5 Laboratory Ltd.	Customer: Survey ABC Ltd.	
Date of measurement: 12.07.2022	Performed by: John Young	

Tested layer description
The test was performed on a road subgrade soil.

Measured values and results
Type of test: A (road)



$E_{def,1}$: 122,6 MPa
$E_{def,2}$: 263,5 MPa
$E_{def,2}/E_{def,1}$: 2,15 -

Notes		Stamp and signature
The test was carried out as part of the reconstruction of road I/258 at km 12,850. At the time of the test - partly cloudy, no wind, approx. 25°C. Test performed in accordance with ČSN 721006.		
Verified by: Peter Filmer	Date of issue: 14.07.2022	



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Static Plate Load Test

Project: Apartment building "Moonlighting" - Survey for building permit

Test ID: Plate B - railroad

Project ID: 2022/3548

Supplier: GEO5 Laboratory Ltd.

Customer: Survey ABC Ltd.

Date of measurement: 12.07.2022

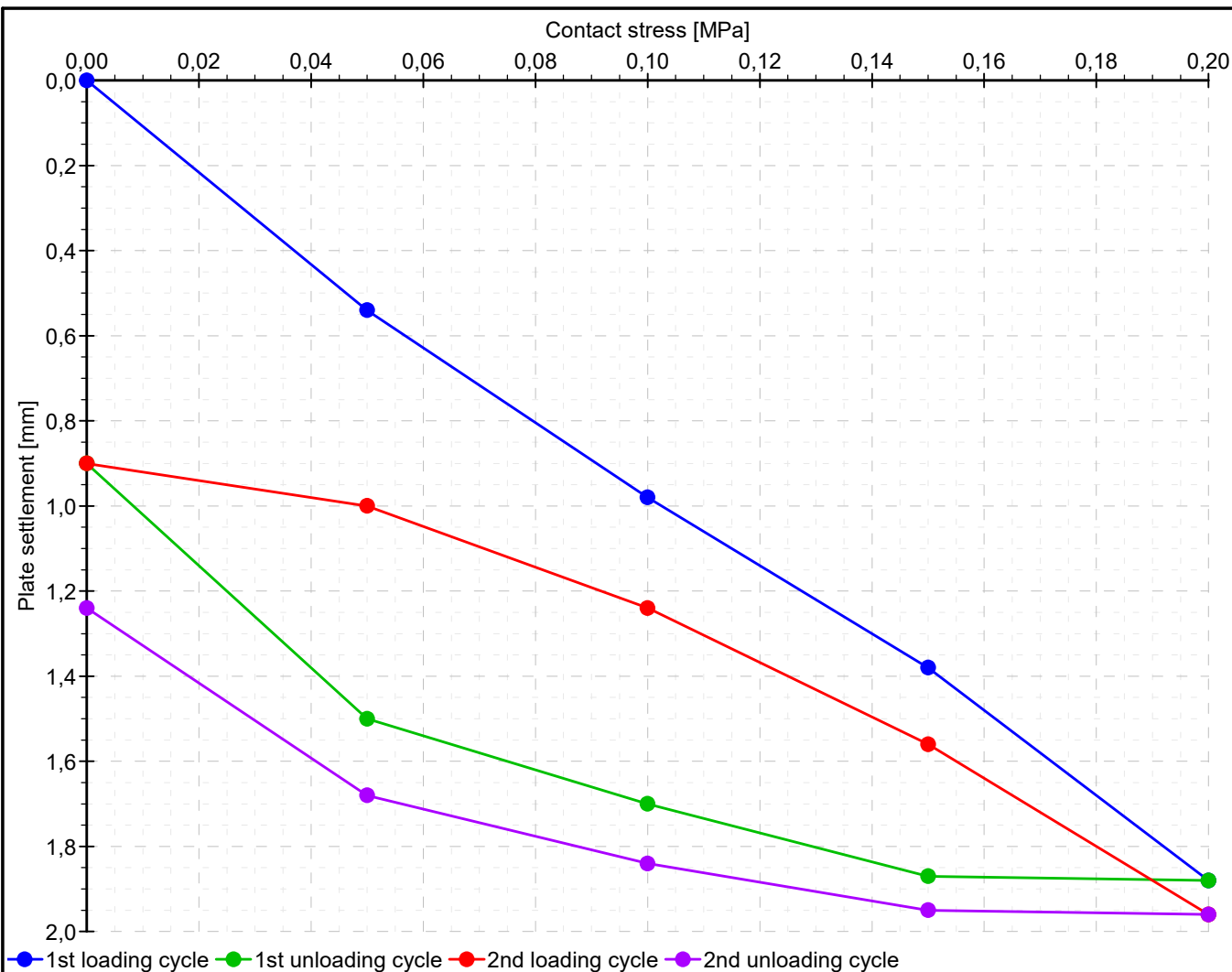
Performed by: John Young

Tested layer description

Railroad subgrade.

Measured values and results

Type of test: B (railroad)



$E_{def,1}$: 23,9 MPa

$E_{def,2}$: 42,5 MPa

$E_{def,2}/E_{def,1}$: 1,78 -

Notes

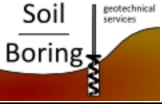
The test was carried out as part of the construction of line 421 (Prague - Kamenice), track number 91. The plate was placed on the left with respect to the track (in the direction of the stationing). At the time of the test - partly cloudy, no wind, approx. 25°C.

Test performed in accordance with ČSN 721006.

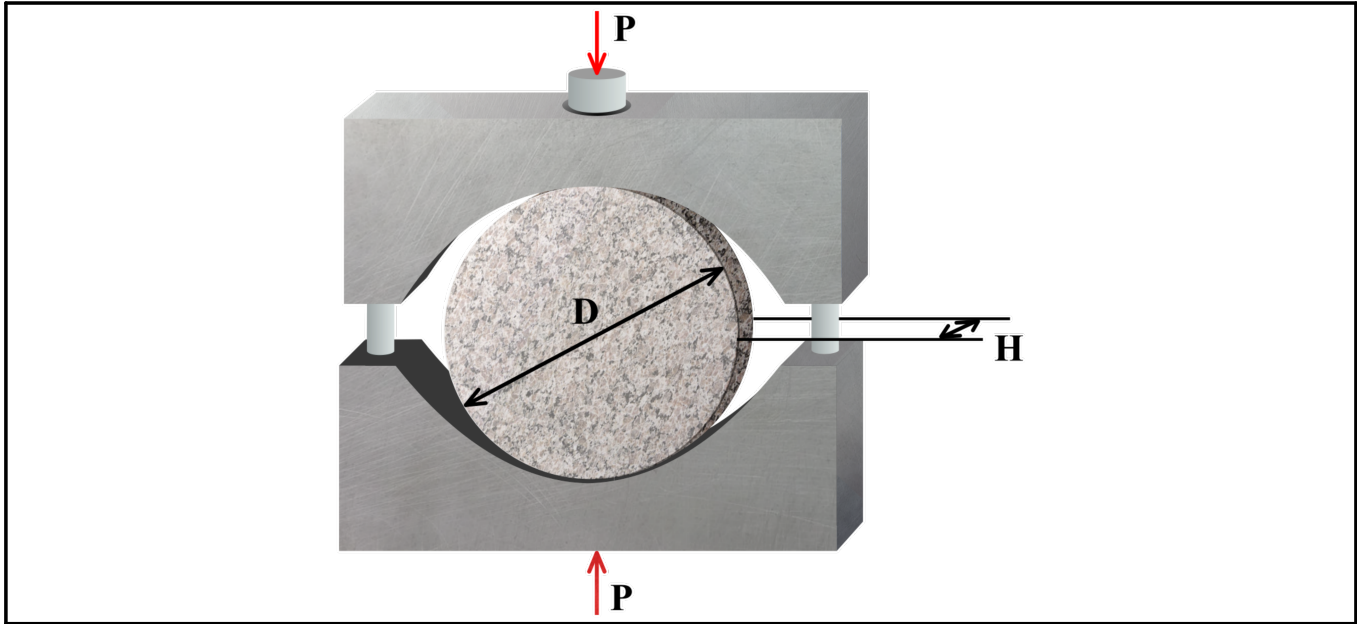
Verified by: Peter Filmer

Date of issue: 14.07.2022

Stamp and signature

	Splitting Tensile Strength Test (Brazilian Test)	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Brazilian Test		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 23.02.2024		Performed by: John Young

Sample	
Field test: BH6	Sample type: rock strength
Sample index: RC2/7	Geotechnical type: GT1a
Depth from: 20,10 m	Description: Granodiorite, slightly weathered.
Depth to: 20,90 m	



Measured values and results

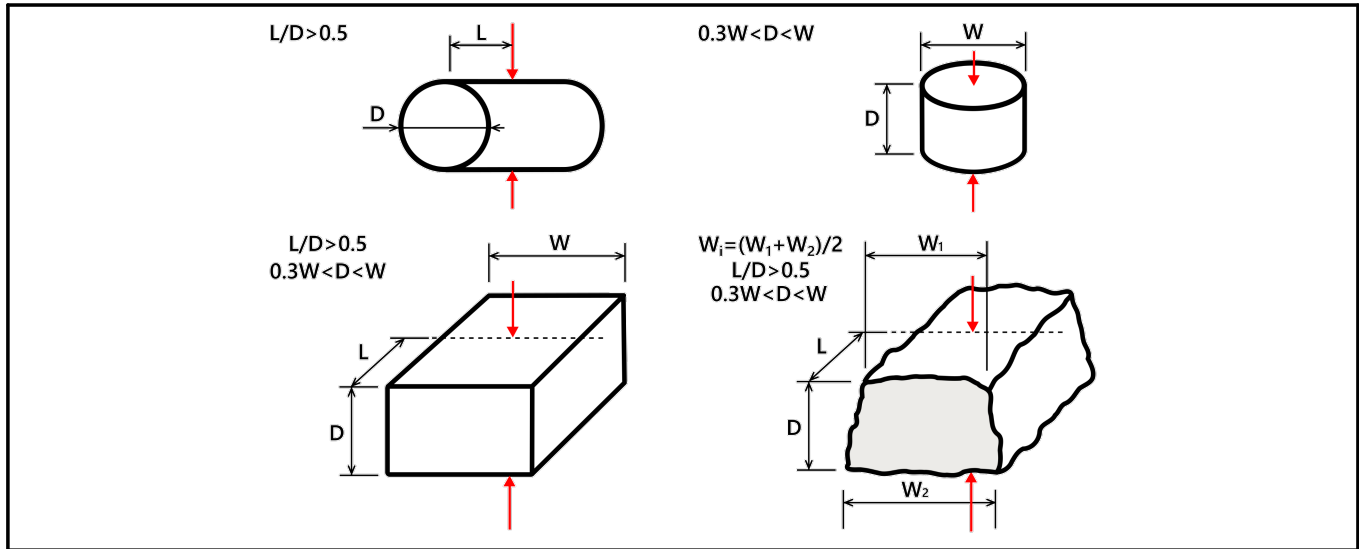
Specimen ID	Diameter [mm]	Height [mm]	Max. load [kN]	Tensile strength [MPa]	Failure type
RC2/7-1	52,12	25,86	14,0	6,61	Tensile failure
RC2/7-2	52,31	26,81	18,0	8,16	Tensile failure
RC2/7-3	52,16	27,64	21,0	9,26	Tensile failure
RC2/7-5	52,15	26,81	20,1	9,14	Tensile failure
RC2/7-6	52,04	25,84	17,0	8,04	Tensile failure
RC2/7-7	52,13	24,31	22,3	11,19	Tensile failure
RC2/7-8	52,19	26,20	18,5	8,60	Tensile failure
RC2/7-9	52,13	24,16	17,5	8,84	Tensile failure
RC2/7-10	52,16	23,94	20,8	10,59	Tensile failure
RC2/7-11	52,20	23,44	13,4	6,97	Tensile failure

Average tensile strength $\sigma_{t,ave}$: 8,74 MPa

Notes Specimen supplied by customer. Test performed in accordance with ISRM (1978) Suggested Methods for Determining Tensile Strength of Rock Materials Part 2: Suggested Method for determining indirect tensile strength by the Brazil Test.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 27.02.2024	

	Point Load Test	
	Project: Apartment building "Moonlighting" - Survey for building permit	
Test ID: Point Load		Project ID: 2022/3548
Supplier: GEO5 Laboratory Ltd.		Customer: Survey ABC Ltd.
Date of measurement: 27.02.2024		Performed by: John Young

Sample	
Field test: BH6	Sample type: rock strength
Sample index: RC2/7	Geotechnical type: GT1a
Depth from: 20,10 m	Description: Granodiorite, slightly weathered.
Depth to: 20,90 m	



Measured values and results
Test type: Diametral test

Specimen ID	Length L [mm]	Diameter D [mm]	Max. load [kN]	Failure type	Corrected point load strength I _{s50} [MPa]	Compressive strength σ _c [MPa]
RC2/7-1	30,00	51,86	8,9		3,38	79,295
RC2/7-2	33,00	51,87	10,3		3,91	91,768
RC2/7-3	31,00	51,87	9,8		3,71	87,074
RC2/7-4	39,00	51,89	5,2		1,97	46,236
RC2/7-5	37,00	51,88	6,9		2,61	61,257
RC2/7-6	31,00	51,95	12,0		4,54	106,645
RC2/7-7	37,00	51,96	9,8		3,70	86,913
RC2/7-8	39,00	51,88	9,9		3,75	88,012
RC2/7-9	42,00	51,85	6,6		2,50	58,650
RC2/7-10	28,00	51,82	7,1		2,69	63,107

Average corrected point load strength I _{s50,ave} : 3,31 MPa
Average compression strength σ _{c,ave} : 77,61 MPa

Notes Specimen supplied by customer. Test performed in accordance with ISRM (1985): Suggested method for determining point load strength.		Stamp and signature
Verified by: Peter Filmer	Date of issue: 28.02.2024	