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## Identification and classification of soil/rock

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 14688-1:2017 / SFS-EN ISO 14688-2:2018	Geotechnical investigation and testing — Identification and classification of soil — Part 1: Identification and description	12.12.2017	27.2.2018
	<a href="#">Geotekninen tutkimus ja testaus. Maan tunnistaminen ja luokitus. Osa 1: Tunnistaminen ja kuvaus</a>	-	30.3.2021
ISO 14688-2:2017 / SFS-EN ISO 14688-2:2018	Geotechnical investigation and testing — Identification and classification of soil — Part 2: Principles for a classification	12.12.2017	27.2.2018
	<a href="#">Geotekninen tutkimus ja testaus. Maan tunnistaminen ja luokitus. Osa 2: Luokituksen perusteet</a>	-	30.3.2021
ISO 14689:2017 / SFS-EN ISO 14689:2018	Geotechnical investigation and testing — Identification, description and classification of rock	12.12.2017	27.2.2018
	<a href="#">Geotekninen tutkimus ja testaus. Kallion tunnistus, kuvaus ja luokitus</a>	-	30.3.2021

## Geothermal testing

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 17628:2015 / SFS-EN ISO 17628	Geotechnical investigation and testing — Geothermal testing — Determination of thermal conductivity of soil and rock using a borehole heat exchanger	22.7.2015	2.10.2015



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### Laboratory testing of soil/rock

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 17892-1:2014 / SFS-EN ISO 17892-1	Geotechnical investigation and testing — Laboratory testing of soil — Part 1: Determination of water content  Geotekninen tutkimus ja testaus. Maan laboratoriokokeet. Osa 1: Vesipitoisuuden määrittäminen	28.11.2014  -	6.2.2015  30.3.2021
ISO 17892-1:2014/Amd 1:2022 / SFS-EN ISO 17892-1:2015/A1:2022	Geotechnical investigation and testing — Laboratory testing of soil — Part 1: Determination of water content — Amendment 1	2.5.2022	31.5.2022
ISO/AWI 16383-1	Geotechnical investigation and testing — Laboratory testing of rock — Part 1: Determination of water content	Työn alla	-
ISO 17892-2:2014 / SFS-EN ISO 17892-2	Geotechnical investigation and testing — Laboratory testing of soil — Part 2: Determination of bulk density  Geotekninen tutkimus ja testaus. Maan laboratoriokokeet. Osa 2: Irtohiheyden määrittäminen	28.11.2014  -	6.2.2015  30.3.2021
ISO 17892-3:2015 / SFS-EN ISO 17892-3	Geotechnical investigation and testing — Laboratory testing of soil — Part 3: Determination of particle density  Geotekninen tutkimus ja testaus. Maan laboratoriokokeet. Osa 3: Kiintöhiheyden määrittäminen	25.11.2015  -	12.1.2016  30.3.2021
ISO 17892-4:2016 / SFS-EN ISO 17892-4:2016	Geotechnical investigation and testing — Laboratory testing of soil — Part 4: Determination of particle size distribution  Geotekninen tutkimus ja testaus. Maan laboratoriokokeet. Osa 4: Rakeisuuden määrittäminen	28.10.2016  -	13.12.2016  30.3.2021
ISO 17892-5:2017 / SFS-EN ISO 17892-5:2017	Geotechnical investigation and testing — Laboratory testing of soil — Part 5: Incremental loading oedometer test	3.3.2017	4.4.2017
ISO 17892-6:2017 / SFS-EN ISO 17892-6:2017	Geotechnical investigation and testing — Laboratory testing of soil — Part 6: Fall cone test  Geotekninen tutkimus ja testaus. Maan laboratoriokokeet. Osa 6: Kartiokoe	3.3.2017  -	4.4.2017  30.3.2021



ISO 17892-7:2017 / SFS-EN ISO 17892-7:2018	Geotechnical investigation and testing — Laboratory testing of soil — Part 7: Unconfined compression test	6.12.2017	27.2.2018
ISO 17892-2:2018 / SFS-EN ISO 17892-8:2018	Geotechnical investigation and testing — Laboratory testing of soil — Part 8: Unconsolidated undrained triaxial test	14.2.2018	3.4.2018
ISO 17892-9:2018 / SFS-EN ISO 17892-9:2018	Geotechnical investigation and testing — Laboratory testing of soil — Part 9: Consolidated triaxial compression tests on water saturated soils	28.2.2018	17.4.2018
ISO 17892-10:2018 / SFS-EN ISO 17892-10:2019	Geotechnical investigation and testing — Laboratory testing of soil — Part 10: Direct shear tests	15.11.2018	8.1.2019
ISO 17892-11:2019 / SFS-EN ISO 17892-11:2019	Geotechnical investigation and testing — Laboratory testing of soil — Part 11: Permeability tests	30.1.2019	12.3.2019
ISO 17892-12:2018 / SFS-EN ISO 17892-12:2018	Geotechnical investigation and testing — Laboratory testing of soil — Part 12: Determination of liquid and plastic limits	6.6.2018	7.8.2018
ISO 17892- 12:2018/AMD 1:2021 / SFS-EN ISO 17892- 12:2018/A1:2021	Geotechnical investigation and testing — Laboratory testing of soil — Part 12: Determination of liquid and plastic limits — Amendment 1	24.8.2021	21.9.2021
ISO 17892- 12:2018/AMD 2:2022 / SFS-EN ISO 17892- 12:2018/A2:2022	Geotechnical investigation and testing — Laboratory testing of soil — Part 12: Determination of liquid and plastic limits — Amendment 2	3.3.2022	29.3.2022

### **Geotechnical monitoring by field instrumentation**

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 18674-1:2015 / SFS-EN ISO 18674- 1	Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 1: General rules	18.5.2015	3.7.2015
ISO 18674-2:2016 / SFS-EN ISO 18674- 2:2016	<i>Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 2: Measurement of displacements along a line: Extensometers</i>	19.10.2016	6.12.2016



ISO 18674-3:2017 / SFS-EN ISO 18674-3:2017	Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 3: Measurement of displacements across a line: Inclinometers	30.10.2017	19.12.2017
ISO 18674-3:2017/Amd 1:2020 / SFS-EN ISO 18674-3:2017/A1:2020	Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 3: Measurement of displacements across a line: Inclinometers — Amendment 1	13.1.2020	7.4.2020
ISO 18674-4:2020 / SFS-EN ISO 18674-4:2020	Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 4: Measurement of pore water pressure: Piezometers	26.6.2020	27.7.2020
ISO 18674-5:2019 / SFS-EN ISO 18674-5:2019	Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 5: Stress change measurements by total pressure cells (TPC)	10.10.2019	12.11.2019
ISO/CD 18674-7	Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 7: Measurement of strains	Työn alla	-
ISO/CD 18674-8	Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 8: Measurement of loads: Load cells	Työn alla	-

### Geohydraulic testing

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 22282-1:2012 / SFS-EN ISO 22282-1	Geotechnical investigation and testing — Geohydraulic testing — Part 1: General rules  Geotekninen tutkimus ja testaus. Geohydrauliset kokeet. Osa 1: Yleiset säännöt	1.6.2012	8.2.2013
		-	22.8.2017
ISO 22282-2:2012 / SFS-EN ISO 22282-2	Geotechnical investigation and testing — Geohydraulic testing — Part 2: Water permeability tests in a borehole using open systems	1.6.2012	8.2.2013
ISO 22282-3:2012 / SFS-EN ISO 22282-3	Geotechnical investigation and testing — Geohydraulic testing — Part 3: Water pressure tests in rock	1.6.2012	8.2.2013
		-	22.8.2017



	<a href="#">Geotekninen tutkimus ja testaus. Geohydrauliset kokeet. Osa 3: Kalliope- rän vesimenekikokeet</a>		
ISO 22282-4:2021 / SFS-EN ISO 22282- 4	Geotechnical investigation and testing — Geohydraulic testing — Part 4: Pumping tests	22.3.2021	20.4.2021
ISO 22282-5:2012 / SFS-EN ISO 22282- 5	Geotechnical investigation and testing — Geohydraulic testing — Part 5: Infiltrome- ter tests	1.6.2012	8.2.2013
ISO 22282-6:2012 / SFS-EN ISO 22282- 6	Geotechnical investigation and testing — Geohydraulic testing — Part 6: Water permeability tests in a borehole using closed systems	1.6.2012	8.2.2013

### **Sampling methods and groundwater measurements**

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 22475-1:2021 / SFS-EN ISO 22475- 1:2021	Geotechnical investigation and testing — Sampling methods and groundwater measurements — Part 1: Technical prin- ciples for the sampling of soil, rock and groundwater	5.10.2021	2.11.2021

### **Field testing**

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 22476-1:2022	Geotechnical investigation and testing — Field testing — Part 1: Electrical cone and piezocone penetration test	1.12.2022	-
ISO 22476-2:2005 / SFS-EN ISO 22476- 2	Geotechnical investigation and testing — Field testing — Part 2: Dynamic probing	26.01.2005	06.05.2005
	<a href="#">Geotekninen tutkimus ja koestus. Kenttä- kokeet. Osa 2: Heijarikairaus</a>	-	12.12.2008
ISO 22476- 2:2005/Amd 1:2011 / SFS-EN ISO 22476- 2/A1	Geotechnical investigation and testing — Field testing — Part 2: Dynamic probing — Amendment 1	9.11.2011	10.02.2012
ISO 22476-3:2005 / SFS-EN ISO 22476- 3	Geotechnical investigation and testing — Field testing — Part 3: Standard penetra- tion test	26.01.2005	06.05.2005
ISO 22476- 3:2005/Amd 1:2011 /	Geotechnical investigation and testing — Field testing — Part 3: Standard penetra- tion test — Amendment 1	10.11.2011	10.02.2012



SFS-EN ISO 22476-3/A1			
ISO 22476-4:2021 / SFS-EN ISO 22476-4:2021	Geotechnical investigation and testing — Field testing — Part 4: Prebored pressuremeter test by Ménard procedure	01.09.2021	28.09.2021
ISO 22476-5:2023	Geotechnical investigation and testing — Field testing — Part 5: Prebored pressuremeter test	1.3.2023	-
ISO 22476-6:2018 / SFS-EN ISO 22476-6:2018	Geotechnical investigation and testing — Field testing — Part 6: Self-boring pressuremeter test	20.09.2018	06.11.2018
ISO 22476-7:2012 / SFS-EN ISO 22476-7	Geotechnical investigation and testing — Field testing — Part 7: Borehole jack test	28.11.2012	08.02.2013
ISO 22476-8:2018 / SFS-EN ISO 22476-8:2018	Geotechnical investigation and testing — Field testing — Part 8: Full displacement pressuremeter test	20.09.2018	06.11.2018
ISO 22476-9:2020 / SFS-EN ISO 22476-9	Geotechnical investigation and testing — Field testing — Part 9: Field vane test (FVT and FVT-F)	07.09.2020	06.10.2020
ISO 22476-10:2017 / SFS-EN ISO 22476-10:2017	Geotechnical investigation and testing — Field testing — Part 10: Weight sounding test	09.10.2017	05.12.2017
ISO 22476-11:2017 / SFS-EN ISO 22476-11:2017	Geotechnical investigation and testing — Field testing — Part 11: Flat dilatometer test	20.04.2017	06.06.2017
ISO 22476-12:2009 / SFS-EN ISO 22476-12	Geotechnical investigation and testing — Field testing — Part 12: Mechanical cone penetration test (CPTM)	15.05.2009	04.09.2009
ISO 22476-14:2020 / SFS-EN ISO 22476-14:2020	Geotechnical investigation and testing — Field testing — Part 14: Borehole dynamic probing	19.2.2020	17.03.2020
ISO 22476-15:2016 / SFS-EN ISO 22476-15:2016	Geotechnical investigation and testing — Field testing — Part 15: Measuring while drilling	12.08.2016	13.09.2016
ISO/FDIS 22476-16	Geotechnical investigation and testing — Field testing — Part 16: Borehole shear test	Työn alla	-

### **Testing of geotechnical structures**

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 22477-1:2018 / SFS-EN ISO 22477-1:2018	Geotechnical investigation and testing — Testing of geotechnical structures — Part 1	31.10.2018	25.12.2018



	1: Testing of piles: static compression load testing		
ISO 22477-2:2023	Geotechnical investigation and testing — Testing of geotechnical structures — Part 2: Testing of piles: Static tension load testing	1.7.2023	-
ISO 22477-4:2018 / SFS-EN ISO 22477-4:2018	Geotechnical investigation and testing — Testing of geotechnical structures — Part 4: Testing of piles: dynamic load testing	16.03.2018	24.04.2018
ISO 22477-5:2018 / SFS-EN ISO 22477-5:2018	Geotechnical investigation and testing — Testing of geotechnical structures — Part 5: Testing of grouted anchors	13.08.2018	02.10.2018
	<a href="#">Geotekninen tutkimus ja testaus. Geoteknisten rakenteiden testaaminen. Osa 5: Injektoitujen ankkurien testaus</a>	-	02.11.2021
ISO 22477-10:2016 / SFS-EN ISO 22477-10	Geotechnical investigation and testing — Testing of geotechnical structures — Part 10: Testing of piles: rapid load testing	14.09.2016	18.10.2016

### **Array measurement of microtremors to estimate shear wave velocity profile**

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO 24057:2022	Array measurement of microtremors to estimate shear wave velocity profile	1.11.2022	-

### **Qualification criteria and assessment**

Standardin numero	Standardin nimi	Julkaisupäivämäärä	
		ISO	CEN
ISO/TS 24283-1:2022	Qualification criteria and assessment — Part 1: Qualified technician and qualified operator	1.1.2022	-
ISO/TS 24283-2:2022	Qualification criteria and assessment — Part 2: Responsible expert	1.1.2022	-
ISO/TS 24283-3:2022	Qualification criteria and assessment — Part 3: Qualified enterprise	1.1.2022	-