



STS Directory

Accreditation number: **STS 0410**

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

TransGeo AG
Dorfstrasse 10
3073 Gümligen

Head: Christian Wyss
Responsible for MS: Dr. Dagmar Riesen
Telephone: +41 31 964 02 16
E-Mail: <mailto:christian.wyss@transgeo.ch>
Internet: <http://www.transgeo.ch>
Initial accreditation: 23.06.2004
Current accreditation: 23.06.2019 to 22.06.2024
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 23.06.2019

Testing laboratory for concrete, aggregates, soils, rocks, natural stones and recycling materials

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
(Hardened) concrete	Wear test using the grinding wheel according to Böhme	DIN 52108
	Performance test - reactivity of a concrete mixture against alkali reaction (AAR)	NF P18-454
	Determination of water infiltration rate	SIA 262/1 appendix A resp. SN 505 262/1
	Determination of the resistance to chlorides	SIA 262/1 appendix B resp. SN 505 262/1
	Determination of the Freeze-thaw resistance	SIA 262/1 appendix C resp. SN 505 262/1
	Determination of the resistance to sulfates	SIA 262/1 appendix D resp. SN 505 262/1



STS Directory

Accreditation number: STS 0410

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
(Hardened) concrete	<p>Determination of resistance to carbonation</p> <p>Resistance to alkali-aggregate reaction (AAR)</p> <p>Performance test - reactivity of a concrete mixture against alkali reaction (AAR)</p> <p>Determination of compressive strength of concrete cubes according to norm: Shape, dimensions and other requirements for specimens and moulds</p> <p>Determination of secant modulus of elasticity in compression</p> <p>Making and curing specimens for strength tests</p> <p>Compressive Strength of test specimens</p> <p>Determination of Compressive strength; specification for testing machines</p> <p>Determination of Density of hardened concrete</p> <p>Determination of the Freeze-thaw resistance according to norm: Concrete paving blocks - Requirements and test methods</p> <p>Determination of the Freeze-thaw resistance according to norm: Concrete paving flags - Requirements and test methods</p> <p>Determination of the Freeze-thaw resistance according to norm: Concrete kerb units - Requirements and test methods</p> <p>Determination of chloride content in hardened concrete - Products and systems for the protection and repair of concrete structures</p>	<p>SIA 262/1 appendix I resp. SN 505 262/1</p> <p>SIA 262/1 appendix L resp. SN 505 262/1</p> <p>SIA guideline 2042, appendix F</p> <p>SN EN 12390-1 resp. SIA 262.251</p> <p>SN EN 12390-13 bzw. SIA 262.263</p> <p>SN EN 12390-2 resp. SIA 262.252</p> <p>SN EN 12390-3 resp. SIA 262.253</p> <p>SN EN 12390-4 resp. SIA 162.254</p> <p>SN EN 12390-7 resp. SIA 262.257</p> <p>SN EN 1338 annex D resp. SIA 246.508</p> <p>SN EN 1339 annex D resp. SIA 246.509</p> <p>SN EN 1340 annex D resp. SIA 246.510</p> <p>SN EN 14629 resp. SIA 262.496</p>



STS Directory

Accreditation number: STS 0410

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Concrete structures and elements (Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213
	Abrasiveness and crushability test on aggregates	NF P18-579
	Determination of the amount of tender components, macroscopic examination (sand under binocular)	Directive ATG 05b,c (AlpTransit Gotthard AG)
	Microbar test - Test methods of reactivity against alkali of aggregates	SIA guideline 2042, appendix E
	Mineralogy and qualitative and quantitative petrography of aggregates	SN 670 115
	Petrographic determination of the amount of tender components of fillers according to norm: Fillers: qualitative and quantitative mineralogy and petrography	SN 670 116
	Determination of resistance of aggregates to fragmentation	SN EN 1097-2 resp. SN 670 903-2
	Determination of loose bulk density and voids of aggregates	SN EN 1097-3 resp. SN 670 903-3
	Determination of the water content of aggregates by drying in a ventilated oven	SN EN 1097-5 resp. SN 670 903-5
	Determination of particle density and water absorption of aggregates	SN EN 1097-6 resp. SN 670 903-6
	Determination of the polished stone value of aggregates (PSV)	SN EN 1097-8 resp. SN 670 903-8
Determination of resistance of aggregates to fragmentation according to norm: Aggregates for railway ballast	SN EN 13450 annex C resp. SN 670 110	
Determination of particle shape of aggregates; length according to norm: Aggregates for railway ballast	SN EN 13450 resp. SN 670 110	



STS Directory

Accreditation number: STS 0410

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of resistance of aggregates to freezing and thawing	SN EN 1367-1 resp. SN 670 904-1
	Magnesium sulfate Test of aggregates	SN EN 1367-2 resp. SN 670 904-2
	Determination of lightweight contaminants according to norm: Tests for chemical properties of aggregates - Part 1: Chemical analysis	SN EN 1744-1 resp. SN 670 905-1
	Determination of the influence of recycled aggregate extract on the initial setting time of cement	SN EN 1744-6 resp. SN 670 905-6
	Methods for sampling aggregates	SN EN 932-1 resp. SN 670 901-1
	Methods for reducing laboratory samples of aggregates	SN EN 932-2 resp. SN 670 901-2
	Procedure and terminology for simplified petrographic description	SN EN 932-3 resp. SN 670 901-3
	Microscopic examination (petrographic description on thin section) according to norm: Procedure and terminology for simplified petrographic description	SN EN 932-3 resp. SN 670 901-3, modified procedure
	Determination of particle size distribution of aggregates - Sieving Method	SN EN 933-1 resp. SN 670 902-1
	Tests for geometrical properties of aggregates - Classification test for the constituents of coarse recycled aggregate	SN EN 933-11 resp. SN 670 902-11
	Determination of Particle Shape of aggregates - Flakiness Index	SN EN 933-3 resp. SN 670 902-3
Determination of particle shape of aggregates; shape index	SN EN 933-4 resp. SN 670 902-4	
Determination of percentage of crushed and broken surfaces in coarse aggregate particles	SN EN 933-5 resp. SN 670 902-5	



STS Directory

Accreditation number: STS 0410

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of flow coefficient of aggregates	SN EN 933-6 resp. SN 670 902-6
	Cerchar test for the determination of the hardness and abrasiveness of stones	Valentin, A.: Test Cerchar pour la mesure de la dureté et de l'abrasivité des roches. Annexe de l'exposée présentée aux Journées d'Information « Techniques de creusement » Novembre 1973, Luxembourg
	Test methods of reactivity against alkali of aggregates - Microbar rapid test	XP P18-594
Soft rocks, soils, ground	Test of swelling due to freeze and CBR test of soils after thaw (CBRF)	SN 670 321
	Determination of the consistency limits (liquid limit and plastic limit of soils, 3 point method)	SN 670 345
	Test methods for the determination of the laboratory reference density and water content (unbound and hydraulically bound mixtures). Proctor compaction	SN EN 13286-2 resp. SN 670 330-2
	Test method for the determination of California Bearing ratio, immediate bearing index and linear swelling	SN EN 13286-47 resp. SN 670 330-47
	Determination of particle size distribution (soils)	SN EN ISO 17892-4 resp. SN 670 340-4
Rocks, natural stones	Determination of the Point Load Strength Index of Rock (Franklin test)	ASTM D5731, modified procedure
	Method for Determining Point Load Strength - Point Load Test	ISRM (1985) International Society for Rock Mechanics, Commission on Testing Methods, Int. J. Rock Mech. Min. Sci. & Geomech. Abstr., Vol. 22, No. 2, pp. 51-60, 1985



STS Directory

Accreditation number: STS 0410

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Rocks, natural stones	Determination of the Uniaxial Compressive Strength of Rock Core Specimens and Poisson coefficient Determination of static elastic modulus Determination of uniaxial compressive strength	SN 670 353 SN EN 14580 resp. SIA 246.222 SN EN 1926 resp. SIA 246.202
Recycled construction materials	Recycling materials analysis (mineral building wastes)	Richtlinie für die Verwertung mineralischer Bauabfälle. 2. aktualisierte Auflage. 2006, BAFU, Abt. Abfall und Rohstoffe bzw. ARV-Gütesicherung für Recyclingbaustoffe resp. SN 670 119-NA

* / * / * / * / *