



STS Directory

Accreditation number: STS 0135

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

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Initial accreditation: 17.11.1995
Current accreditation: 11.02.2024 to 10.02.2029
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 11.02.2024

Testing laboratory for bituminous materials, mixtures and waterproofings (damm and waste deposit constructions), concrete, aggregates (additive), soils and in situ tests

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	Making and curing specimens for strength tests	SN EN 12390-2 resp. SIA 262.252
	Compressive Strength of test specimens	SN EN 12390-3 resp. SIA 262.253
	Determination of flexural strength of test specimens	SN EN 12390-5 resp. SIA 262.255
Fresh concrete and mortar	Determination of the water content of freshly mixed concrete	SIA 262/1 appendix H resp. SN 505 262/1
	Sampling fresh concrete	SN EN 12350-1 resp. SIA 262.231
	Slump test	SN EN 12350-2 resp. SIA 262.232
	Determination of degree of compactability	SN EN 12350-4 resp. SIA 262.234



STS Directory

Accreditation number: STS 0135

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Concrete structures and elements (Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Flow table test	SN EN 12350-5 resp. SIA 262.235
	Determination of Density	SN EN 12350-6 resp. SIA 262.236
	Determination of air content; Pressure methods	SN EN 12350-7 resp. SIA 262.237
	Slump-flow test (Self- compacting concrete)	SN EN 12350-8 resp. SIA 262.238
	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213
	Determination of resistance of aggregates to fragmentation	SN EN 1097-2
	Determination of the voids of dry compacted filler	SN EN 1097-4
	Determination of the water content of aggregates by drying in a ventilated oven	SN EN 1097-5
	Determination of particle density and water absorption of aggregates	SN EN 1097-6
	Determination of the particle density of filler; pycnometer method	SN EN 1097-7
	Determination of lightweight contaminants according to norm: Tests for chemical properties of aggregates - Part 1: Chemical analysis	SN EN 1744-1
Methods for sampling aggregates	SN EN 932-1	
Determination of particle size distribution of aggregates - Sieving Method	SN EN 933-1	
Determination of particle size distribution of aggregates - Sieving Method after washing	SN EN 933-1, modified procedure	



STS Directory

Accreditation number: STS 0135

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Soft rocks, soils, ground Soils, underground and rocks: in situ tests Bituminous binders	Tests for geometrical properties of aggregates - Classification test for the constituents of coarse recycled aggregate	SN EN 933-11
	Determination of Particle Shape of aggregates - Flakiness Index	SN EN 933-3
	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	SN EN 933-5
	Determination of flow coefficient of aggregates	SN EN 933-6
	Determination of the water content of soils	SN EN ISO 17892-1
	EV and ME-plate bearing test (soils)	VSS 70 317
	Determination of equi-shear modulus temperature and phase angle using a Dynamic Shear Rheometer (DSR) - BTSV test - Bitumen and bituminous binders	SN EN 17643
	Index of penetration (calculation) according to norm: Specifications for paving grade bitumens	SN EN 12591
	Preparation of test samples	SN EN 12594
	Determination of the resistance to hardening under the influence of heat and air. Part 3: RFT Method	SN EN 12607-3
	Determination of the affinity between aggregate and bitumen	SN EN 12697-11
	Binder drainage	SN EN 12697-18
	Bitumen recovery: Rotary evaporator	SN EN 12697-3
	Delta ring and ball test	SN EN 13179-1
Determination of the elastic recovery of modified bitumen	SN EN 13398	
Determination of the tensile properties of modified bitumen by the force ductility method	SN EN 13589	



STS Directory

Accreditation number: STS 0135

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Bituminous mixtures	Characterization of perceptible properties	SN EN 1425
	Determination of needle penetration	SN EN 1426
	Determination of softening point Ring and Ball method	SN EN 1427
	Aptitude test of Asphalt Concrete Pavements for construction in the presence of water	Empfehlungen für die Ausführung von Asphaltarbeiten im Wasserbau (EAAW) 83/96
	Permeability test (watertightness in pressure pot) according to norm: waste disposal	SIA 203, modified procedure (EMPA)
	Soluble binder content determination of mix asphalt	SN EN 12697-1
	Determination of the water sensitivity of bituminous specimens	SN EN 12697-12
	Determination of particle size distribution of bituminous mixtures	SN EN 12697-2
	Indentation using cube or cylindrical specimens (CY)	SN EN 12697-20
	Sampling bituminous mixtures	SN EN 12697-27
	Preparation of samples for determining binder content, water content and grading	SN EN 12697-28
	Determination of the dimensions of a bituminous specimen	SN EN 12697-29
	Specimen preparation by impact compactor	SN EN 12697-30
	Marshall test	SN EN 12697-34
	Method for the determination of the thickness of a bituminous pavement	SN EN 12697-36
Determination of the interlayer bonding - Shear Bond Test (SBT)	SN EN 12697-48	
Determination of the maximum density of bituminous mixtures	SN EN 12697-5	
Determination of bulk density of bituminous specimens	SN EN 12697-6	



STS Directory

Accreditation number: STS 0135

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Road construction and waterproofing: in situ tests	Determination of void characteristics of bituminous specimens	SN EN 12697-8
	Dynamic indentation test with stamp with a plane section (ETdyn) according to SN EN 12697-25	SN EN 13108-20 resp. SN EN 12697-25
	Determination of the stability of embankments according to "van Asbeck"	W.F. Van Asbeck, 1962: Le bitume dans les travaux hydrauliques / Paris - Dunod, modified procedure
	Standard Test Method for Density (degree of compaction) of Bituminous Concrete (pavements) in Place by PDM Method according to standard: Determination of the density of Bituminous Paving Mixtures in Place by the Electromagnetic Surface Contact Methods	ASTM D7113, modified procedure
	Peeling test (bituminous membranes)	SIA 281/2 resp. SN 564 281/2
	Determination of pull-off bond strength of bituminous membranes	SIA 281/3 resp. SN 573 281/3
	Measurement of pavement surface macrotexture depth using a volumetric patch technique - Road and airfield surface characteristics	SN EN 13036-1
	Measurement of pavement surface horizontal drainability - Road and airfield surface characteristics	SN EN 13036-3
	Method for measurement of slip/skid resistance of a surface. The pendulum test - Road and airfield surface characteristics	SN EN 13036-4
	Measurement of bond strength by pull-off (Products and systems for the protection and repair of concrete structures)	SN EN 1542 resp. SIA 162.421
Determination of roughness by sand method according to norm: Products and systems for the protection and repair of concrete structures. Test methods. Reference concretes for testing	SN EN 1766 resp. SIA 262.424	



STS Directory

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	Control of the geometry - Longitudinal flatness - Surface characteristics of pavements Transversal flatness - Surface characteristics of pavements Benkelman beam deflexion test Determination of the water content of building materials according to calcium carbide method (CM method)	VSS 40 517 VSS 40 518 VSS 70 362 ZTV-ING - Teil 3 Abschnitt 4, Zusätzliche technische Vertragsbedingungen und Richtlinien für Ingenieurbauten. Verkehrsblatt-Verlag

In case of contradictions in the language versions of the directories, the German version shall apply.

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