

## STS Directory

**Accreditation number: STS 0159**

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

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	Initial accreditation:	01.11.1996
	Current accreditation:	22.06.2021 au 21.06.2026
	Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)

### Scope of accreditation as of 27.03.2024

#### Testing laboratory for concrete, aggregates, soils, bituminous binders and mixtures and in situ tests

Group of products or materials, field of activity	Principle of measurement <sup>2)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
(Hardened) concrete	Determining of resistance of concrete to freeze and de-icing salts	VSS Report n° 1554 "Evaluation of the resistance of concrete to freezing and de-icing salt" <i>(only exists in German language under the title "Evaluation des Frosttaumittelwiderstandes von Beton")</i> – "TFB-Test, modified procedure according to Cementbulletin 10/86"
	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



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(Hardened) concrete	Determination of resistance to carbonation	SIA 262/1 appendix I resp. SN 505 262/1
	Determination of compressive strength of concrete cubes according to norm: Shape, dimensions and other requirements for specimens and moulds	SN EN 12390-1 resp. SIA 262.251
	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 Density of hardened concrete	SN EN 12390-7 resp. SIA 262.257
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
	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
Concrete structures and elements	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213
Protection and coating systems, coating materials, paints, impregnations, hydrophobics	Measurement of bond strength by pull-off	SN EN 1542 resp. SIA 162.421, modified procedure
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Sedimentation analysis, areometer method (mineral aggregates)	SN 670 816, no more valid standard
	Determination of resistance of aggregates to fragmentation	SN EN 1097-2



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(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	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 1097-6:2014 resp. SN 670 903-6 (withdrawn standard)
	Determination of organic components according to norm: Tests for chemical properties of aggregates - Part 1: Chemical analysis	SN EN 1744-1 resp. SN 670 905-1
	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
	Determination of particle size distribution of aggregates - Sieving Method	SN EN 933-1 resp. SN 670 902-1
	Determination of particle size distribution of aggregates - Sieving Method after washing (fresh concrete)	SN EN 933-1 resp. SN 670 902-1, modified procedure
	Determination of Particle Shape of aggregates - Flakiness Index	SN EN 933-3 resp. SN 670 902-3
Soils, underground and rocks: in situ tests	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	SN EN 933-5 resp. SN 670 902-5
	EV and ME-plate bearing test (soils)	VSS 70317
Bituminous binders	Determination of the penetration index PI according to norm: Specifications for paving grade bitumen	SN EN 12591 resp. SN 670 202
	Bitumen recovery: Rotary evaporator	SN EN 12697-3
	Determination of needle penetration	SN EN 1426 resp. SN 670 511
	Determination of softening point Ring and Ball method	SN EN 1427 resp. SN 670 512
Bituminous mixtures	Soluble binder content determination of mix asphalt	SN EN 12697-1

Swiss Confederation

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Bituminous mixtures	Determination of particle size distribution of hot mix asphalt  Sampling bituminous mixtures  Preparation of samples for determining binder content, water content and grading  Specimen preparation by impact compactor  Marshall test  Determination of the maximum density of hot mix asphalt  Determination of bulk density of bituminous specimens  Determination of void characteristics of bituminous specimens	SN EN 12697-2  SN EN 12697-27 resp. SN 670 427  SN EN 12697-28  SN EN 12697-30  SN EN 12697-34  SN EN 12697-5  SN EN 12697-6  SN EN 12697-8
Road construction and waterproofing: in situ tests	Peeling test (bituminous membranes)  Determination of pull-off bond strength of bituminous membranes (Dichtungsbahnen und flüssig aufgebrachte Abdichtungen – Haftzugprüfung)	SIA 281/2 resp. SN 564 281/2  SIA 281/3 resp. SN 564 281/3, method A

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

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