



## STS Directory

Accreditation number: STS 0020

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

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Initial accreditation: 07.04.1993

Current accreditation: 07.04.2018 to 06.04.2023

Laboratory 2 : (2)  
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Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 17.11.2022

#### Testing laboratory for tests and controls of concrete, aggregates and building examinations, bituminous binders and mixtures

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	Determination of water infiltration rate	SIA 262/1 appendix A resp. SN 505 262/1 (1)
	Determination of the Freeze-thaw resistance	SIA 262/1 appendix C resp. SN 505 262/1 (1)
	Determination of resistance to carbonation	SIA 262/1 appendix I resp. SN 505 262/1 (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 (1) (2)
	Making and curing specimens for strength tests	SN EN 12390-2 resp. SIA 262.252 (1) (2)



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(Hardened) concrete	Compressive Strength of test specimens	SN EN 12390-3 resp. SIA 262.253 (1) (2)
	Determination of Density for hardened concrete	SN EN 12390-7 resp. SIA 262.257 (1) (2)
Fresh concrete and mortar	Determination of the water content of freshly mixed concrete	SIA 262/1 appendix H resp. SN 505 262/1 (1) (2)
	Sampling fresh concrete	SN EN 12350-1 resp. SIA 262.231 (1) (2)
	Slump test	SN EN 12350-2 resp. SIA 262.232 (1) (2)
	Determination of degree of compactability	SN EN 12350-4 resp. SIA 262.234 (1) (2)
	Flow table test	SN EN 12350-5 resp. SIA 262.235 (1) (2)
	Determination of Density	SN EN 12350-6 resp. SIA 262.236 (1) (2)
	Determination of air content; Pressure methods	SN EN 12350-7 resp. SIA 262.237 (1) (2)
Concrete structures and elements	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213 (1)
	Determination of carbonation depth in hardened concrete by the phenolphthalein method - Products and systems for the protection and repair of concrete structures	SN EN 14630 resp. SIA 262.495 (1)
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of resistance of aggregates to fragmentation	SN EN 1097-2 resp. SN 670 903-2 (1)
	Determination of the water content of aggregates by drying in a ventilated oven	SN EN 1097-5 resp. SN 670 903-5 (1) (2)
	Determination of particle size distribution of aggregates - Sieving Method	SN EN 933-1 resp. SN 670 902-1 (1) (2)
	Determination of Particle Shape of aggregates - Flakiness Index	SN EN 933-3 resp. SN 670 902-3 (1) (2)
	Determination of particle shape of aggregates; shape index	SN EN 933-4 resp. SN 670 902-4 (1) (2)



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(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	SN EN 933-5 resp. SN 670 902-5 (1) (2)
	Determination of flow coefficient of aggregates	SN EN 933-6 resp. SN 670 902-6 (1)
Soils, underground and rocks: in situ tests	EV and ME-plate bearing test (soils)	VSS 70317 (1) (2)
Bituminous binders	Determination of the penetration index PI according to norm: Specifications for paving grade bitumen	SN EN 12591 resp. SN 670 202 (1)
	Bitumen recovery: Rotary evaporator (trichloroethylene)	SN EN 12697-3 (1) (2)
	Determination of needle penetration	SN EN 1426 resp. SN 670 511 (1)
	Determination of softening point Ring and Ball method	SN EN 1427 resp. SN 670 512 (1)
	Sampling bituminous binders	SN EN 58 resp. SN 670 501 (1) (2)
	Determination of the elastic recovery of modified bitumen	SN EN 13398 resp. SN 670 547 (1)
Bituminous mixtures	Determination of layers adhesion (Leutner)	SN 670 461 (1)
	Soluble binder content determination of mix asphalt	SN EN 12697-1 (1) (2)
	Determination of the water sensitivity of bituminous specimens	SN EN 12697-12 (1)
	Determination of particle size distribution of hot mix asphalt	SN EN 12697-2 (1) (2)
	Wheel tracking	SN EN 12697-22 (1)
	Determination of the indirect tensile strength of bituminous specimens	SN EN 12697-23 (1)
	Sampling bituminous mixtures	SN EN 12697-27 resp. SN 670 427 (1) (2)
	Specimen preparation by impact compactor	SN EN 12697-30 (1) (2)
	Specimen prepared by roller compactor	SN EN 12697-33 (1)

Swiss Confederation

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Bituminous mixtures	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 12697-34 (1) (2)  SN EN 12697-5 (1) (2)  SN EN 12697-6 (1) (2)  SN EN 12697-8 (1) (2)

In case of contradictions between the language versions of the directories, the French version shall prevail.

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