



## STS Directory

Accreditation number: STS 0225

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

HEIG-VD Département EC + G  
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Internet: [www.ccdr.ch](http://www.ccdr.ch)  
Initial accreditation: 11.08.1999  
Current accreditation: 11.08.2019 to 10.08.2024  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 02.06.2023

#### Testing laboratory for bituminous binders and mixtures, concrete, aggregates, soils 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	Determination of the Freeze-thaw resistance	SIA 262/1 appendix C resp. SN 505 262/1
	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

1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)



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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)
Fresh concrete and mortar	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
Concrete structures and elements	Determination of chloride content in hardened concrete - Products and systems for the protection and repair of concrete structures	SN EN 14629 resp. SIA 262.496
Concrete and mortar: in situ tests	Measurement of bond strength by pull-off	SN EN 1542 resp. SIA 162.421
	Determination of roughness by sand stain method according to standard: Floor coverings made of cement, magnesia-based, synthetic resin-based and bitumen	SIA 252 annex J resp. SN 567 252
(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 670 903-5B
	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 resp. SN 670 903-7B
	Methods for sampling aggregates	SN EN 932-1 resp. SN 670 901-1A
	Methods for reducing laboratory samples of aggregates	SN EN 932-2 resp. SN 670 901-2A
	Determination of particle size distribution of aggregates - Sieving Method	SN EN 933-1 resp. SN 670 902-1
	Determination of Particle Shape of aggregates - Flakiness Index	SN EN 933-3 resp. SN 670 902-3

1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of particle shape of aggregates; shape index	SN EN 933-4 resp. SN 670 902-4B
	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	SN EN 933-5 resp. SN 670 902-5B
Soils, underground and rocks: in situ tests	EV and ME-plate bearing test (soils)	VSS 70 317
Bituminous binders	Determination of the penetration index PI according to norm: Specifications for paving grade bitumen	SN EN 12591 resp. SN 670 202
	Preparation of test samples	SN EN 12594 resp. SN 670 504
	Bitumen recovery: Rotary evaporator	SN EN 12697-3
	Determination of the elastic recovery of modified bitumen	SN EN 13398 resp. SN 670 547
	Determination of needle penetration	SN EN 1426 resp. SN EN 670 511
	Determination of softening point Ring and Ball method	SN EN 1427 resp. SN EN 670 512
	Sampling bituminous binders	SN EN 58 resp. SN 670 501
Bituminous mixtures	Determination of the interlayer bonding - Shear Bond Test (SBT)	SN EN 12697-48
	Soluble binder content determination of mix asphalt	SN EN 12697-1
	Determination of the water sensitivity of bituminous specimens	SN EN 12697-12
	Temperature measurement of hot mix asphalt	SN EN 12697-13
	Determination of particle size distribution of hot mix asphalt	SN EN 12697-2
	Determination of the indirect tensile strength of bituminous specimens	SN EN 12697-23
	Sampling bituminous mixtures	SN EN 12697-27 resp. SN 670 427

Swiss Confederation

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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 12697-28  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	Measurement of pavement surface macrotexture depth using a volumetric patch technique - Road and airfield surface characteristics	SN EN 13036-1 resp. SN 640 511-1

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

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