

## STS Directory

**Accreditation number: STS 0661**

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

TFB Romandie SA  
 Technology and research in  
 concrete construction  
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 Initial accreditation: 20.05.2019  
 Current accreditation: 20.05.2019 to 19.05.2024  
 Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
 (Accredited bodies)

### Scope of accreditation as of 11.05.2023

#### Testing laboratory for concrete, mortar and aggregates, as well as for in situ tests

Group of products or materials, field of activity	Principle of measurement <sup>3)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
(Hardened) concrete	Measurement of bond strength by pull-off (Products and systems for the protection and repair of concrete structures)  Detailed microscopic analysis of microstructure and determination of causes of damages  Determination of the resistance to chlorides  Determination of the Freeze-thaw resistance  Determination of resistance to carbonation	SN EN 1542 resp. SIA 162.421  In-house procedure  SIA 262/1 appendix B resp. SN 505 262/1  SIA 262/1 appendix C resp. SN 505 262/1  SIA 262/1 appendix I resp. SN 505 262/1



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(Hardened) concrete	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
	Depth of penetration of water under pressure	SN EN 12390-8 resp. SIA 262.258
	Determination of secant modulus of elasticity in compression	SN EN 12390-13 resp. SIA 262.263
	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213
	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
Cement	Methods of taking and preparing samples of cement	SN EN 196-7 resp. SIA 215.017
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



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Fresh concrete and mortar	Slump-flow test (Self- compacting concrete)	SN EN 12350-8 resp. SIA 262.238
	Sieve segregation test (Self-compacting concrete)	SN EN 12350-11 resp. SIA 262.241
	Inclined tube test according to norm: Test methods for grout for prestressing tendons chap. 4.4	SN EN 445 resp. SIA 262.071
	Wick-induced test according to norm: Test methods for grout for prestressing tendons chap. 4.5	SN EN 445 resp. SIA 262.071
	Density test according to norm: Test methods for grout for pre-stressing tendons chap. 4.7	SN EN 445 resp. SIA 262.071
	Sieve test and fluidity test with cone method according to norm: Test methods for grout for prestressing tendons chap. 4.2 and 4.3	SN EN 445 resp. SIA 262.071
Concrete and mortar: in situ tests	Execution and interpretation of the measurement of the cover depths in reinforced concrete structures	In-house procedure
	Measurement of the pull-off strength of finished screeds	SIA 251 resp. SN 567 251, chap. 6.4
	Measurement of bond strength by pull-off	SN EN 1542 resp. SIA 162.421
	Execution and interpretation of potential measurement on reinforced concrete	SIA guideline 2006
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Mineralogy and qualitative and quantitative petrography of aggregates and filler	VSS 70115
	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

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

Swiss Confederation

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(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Tests for geometrical properties of aggregates - Classification test for the constituents of coarse recycled aggregate	SN EN 933-11 resp. SN 670 902-11

The testing laboratory maintains a list with detailed information on the activities within the scope of accreditation. It is available upon request at the laboratory.

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

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