



STS Directory

Accreditation number: STS 0661

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

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Technology and research in
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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
(Accredited bodies)

Scope of accreditation as of 12.01.2022

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



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Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
(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
	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
	Slump-flow test (Self- compacting concrete)	SN EN 12350-8 resp. SIA 262.238



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Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Fresh concrete and mortar	<p>Sieve segregation test (Self-compacting concrete)</p> <p>Inclined tube test according to norm: Test methods for grout for prestressing tendons chap. 4.4</p> <p>Wick-induced test according to norm: Test methods for grout for prestressing tendons chap. 4.5</p> <p>Density test according to norm: Test methods for grout for prestressing tendons chap. 4.7</p> <p>Sieve test and fluidity test with cone method according to norm: Test methods for grout for prestressing tendons chap. 4.2 and 4.3</p>	<p>SN EN 12350-11 resp. SIA 262.241</p> <p>SN EN 445 resp. SIA 262.071</p> <p>SN EN 445 resp. SIA 262.071</p> <p>SN EN 445 resp. SIA 262.071</p> <p>SN EN 445 resp. SIA 262.071</p>
Concrete and mortar: in situ tests	<p>Execution and interpretation of the measurement of the cover depths in reinforced concrete structures</p> <p>Measurement of the pull-off strength of finished screeds</p> <p>Measurement of bond strength by pull-off</p> <p>Execution and interpretation of potential measurement on reinforced concrete</p>	<p>In-house procedure</p> <p>SIA 251 resp. SN 567 251, chap. 6.4</p> <p>SN EN 1542 resp. SIA 162.421</p> <p>SIA guideline 2006</p>
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	<p>Mineralogy and qualitative and quantitative petrography of aggregates and filler</p> <p>Methods for sampling aggregates</p> <p>Methods for reducing laboratory samples of aggregates</p> <p>Determination of particle size distribution of aggregates - Sieving Method</p> <p>Tests for geometrical properties of aggregates - Classification test for the constituents of coarse recycled aggregate</p>	<p>VSS 70115 resp. SN 670 115 (old number, no more valid)</p> <p>SN EN 932-1 resp. SN 670 901-1</p> <p>SN EN 932-2 resp. SN 670 901-2</p> <p>SN EN 933-1 resp. SN 670 902-1</p> <p>SN EN 933-11 resp. SN 670 902-11</p>

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

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