



## STS Directory

Accreditation number: STS 0128

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

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Initial accreditation: 22.09.1995  
Current accreditation: 11.03.2021 to 10.03.2026  
Scope of accreditation see: www.sas.admin.ch  
(Accredited bodies)

### Scope of accreditation as of 07.08.2024

**Testing laboratory for masonry, masonry units, mortar for masonry, rendering and plastering mortar, ancillary components for masonry, concrete roofing tiles and fittings, concrete, concrete elements, reinforcement, ceramic tiles, gully and manhole tops and drainage channels (vehicular areas) and determination of thermal conductivity and hail resistance test**

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)
Various tests with multiple applications: building materials, buildings, water, wood, plastics, etc.	Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products of medium and low thermal resistance	SN EN 12664 resp. SIA 180.217
	Tensile testing - Part 1: Method of test at room temperature (Metallic materials)	SN EN ISO 6892-1
	Hail resistance test by simulating hail impacts using ice ball and polyamide projectiles	ACFI Test specification for determining the hail resistance
(Hardened) concrete	Compressive Strength of test specimens	SN EN 12390-3 resp. SIA 262.253



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Mortar (for masonry)	Determination of pull-off bond strength of mortars for masonry	In-house procedure, SOP V 08
	Determination of bulk density of hardened mortar	SN EN 1015-10 resp. SIA 177.160
	Determination of flexural and compressive strength of hardened mortar	SN EN 1015-11 resp. SIA 177.161
	Determination of adhesive strength of hardened rendering and plastering mortars on substrates	SN EN 1015-12 resp. SIA 177.162
Fresh concrete and mortar	Determination of water retentivity of fresh mortar - mortar for masonry	prEN 1015-8
	Determination of particle size distribution (by sieve analysis) - mortar for masonry	SN EN 1015-1 resp. SIA 177.151
	Determination of consistence of fresh mortar (by flow table) - mortar for masonry	SN EN 1015-3 resp. SIA 177.153
	Determination of bulk density of fresh mortar - mortar for masonry	SN EN 1015-6 resp. SIA 177.156
	Determination of air content of fresh mortar - mortar for masonry	SN EN 1015-7 resp. SIA 177.157
	Determination of workable life and correction time of fresh mortar - Methods of test for mortar for masonry	SN EN 1015-9 resp. SIA 177.159
Concrete structures and elements	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213
	Test methods - tensile testing (Steel for the reinforcement and prestressing of concrete) - Part 1: Reinforcing bars, wire rod and wire	SN EN ISO 15630-1 resp. SIA 162.021
Masonry, ancillary components for masonry	Compressive strength test of masonry perpendicularly to the vertical joints ( $f_{yk}$ ) according to norm: masonry - specifications	SIA 266/1 resp. SN 505 266/1
	Compressive strength test of three-element specimens ( $f_{3xk}$ ) according to norm: masonry - specifications	SIA 266/1 resp. SN 505 266/1
	Determination of compressive strength, load bearing capacity, tested with small masonry elements ( $f_{xk}$ ), modulus of elasticity ( $E_{xk}$ )	SN EN 1052-1 resp. SIA 177.181
	Determination of flexural strength ( $f_{xk}$ )	SN EN 1052-2 resp. SIA 177.182
	Determination of initial shear strength	SN EN 1052-3 resp. SIA 177.183



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Masonry, ancillary components for masonry	Determination of flexural resistance and shear resistance of lintels - Methods of tests for ancillary components for masonry	SN EN 846-9 resp. SIA 266.139
Masonry units	Determination of the dimensions, gross dry density, compressive strength of masonry units according to norm: Part 100: Clay masonry units with specific properties resp. part 6: high precision masonry units	DIN 105-100, DIN 105-6
	Determination of the frost resistance, method "Sursee" for masonry units	In-house procedure, SOP V 04
	Determination of compressive strength ( $f_{bk}$ )	SN EN 772-1 resp. SIA 266.101
	Determination of water absorption due to capillary action	SN EN 772-11 resp. SIA 266.111
	Determination of net and gross dry density	SN EN 772-13 resp. SIA 266.113
	Determination of dimensions	SN EN 772-16 resp. SIA 266.116
	Determination of dimensions (by photographic image analysis)	SN EN 772-16 resp. SIA 266.116, modified procedure
	Determination of freeze-thaw resistance of calcium silicate masonry units	SN EN 772-18 resp. SIA 266.118
	Determination of percentage area of voids in masonry units	SN EN 772-2 resp. SIA 266.102
	Determination of percentage area of voids in masonry units (by photographic image analysis)	SN EN 772-2 resp. SIA 266.102, modified procedure
	Determination of flatness of faces of masonry units	SN EN 772-20 resp. SIA 266.120
	Determination of net volume and percentage of voids of clay masonry units by hydrostatic weighing	SN EN 772-3 resp. SIA 266.103
Clay roofing tiles and accessories	Determination of the frost resistance, method "Standard" for roofing tiles	In-house procedure, SOP V 16
	Determination of the frost resistance, method "Sursee" for roofing tiles	In-house procedure, SOP V 17
	Determination of geometric characteristics	SN EN 1024 resp. SIA 232.104
	Determination of the uplift resistance of clay or concrete tiles for roofing. Roof system test method	SN EN 14437 resp. SIA 232.701



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Clay roofing tiles and accessories	Flexural strength test	SN EN 538 resp. SIA 232.101
	Impermeability test	SN EN 539-1 resp. SIA 232.102
	Tests for frost resistance	SN EN 539-2 resp. SIA 232.103
Concrete roofing tiles and fittings	Determinations of the geometric characteristic, dimensions, flexural strength, impermeability, frost resistance according to norm: Concrete roofing tiles and fittings; test methods	SN EN 491 resp. SIA 232.002
Ceramic tiles	Determination of frost resistance	SN EN ISO 10545-12 resp. SIA 248.087
	Determination of modulus of rupture and breaking strength	SN EN ISO 10545-4 resp. SIA 248.079
Gully tops, manhole tops and drainage channels for vehicular and pedestrian areas	Determination of the load bearing capacity, permissible permanent set, crack width according to norm: Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods	SN EN 124-1, Annex A and B
	Determination of the deformability and bearing capacity of drainage channels according to norm: Classification, design and testing requirements, marking and evaluation of conformity	SN EN 1433 resp. VSS-102 resp. SN 640 356

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

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