



STS Directory

Accreditation number: STS 0534

International standard: ISO/IEC 17025:2017

Swiss standard: SN EN ISO/IEC 17025:2018

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Initial accreditation: 14.04.2010
Current accreditation: 14.04.2025 to 13.04.2030
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 14.04.2025

Testing laboratory for concrete, mortar and in situ tests

Group of products or materials, field of activity	Principle of measurement ²⁾ (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 the water content of building materials (CM method) according to norm: Cement-based floor coverings, magnesia, synthetic resin and bitumen	SIA 252 appendix I resp. SN 567 252
	Determination of the water content of building materials according to norm: soils in linoleum, plastic, rubber, cork, textile and wood, appendix A: calcium carbide method (CM method)	SIA 253 appendix A resp. SN 567 253
	Determination of the water content of building materials according to calcium carbide method (CM method)	ZTV-ING - Teil 3 Abschnitt 4, Zusätzliche technische Vertragsbedingungen und Richtlinien für Ingenieurbauten. Verkehrsblatt-Verlag



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
(Hardened) concrete	Quantification of chloride in concrete using laser-induced break-down spectroscopy (LIBS) Bending tensile test according to standard: High-Performance Fiber Concrete (HPFC) - Materials, Dimensioning and Execution Determination of water infiltration rate (porosity) Determination of the resistance to chlorides Determination of the Freeze-thaw resistance Determination of the resistance to sulfates Resistance to alkali-aggregate reaction (AAR): performance test Determination of resistance to carbonation Determination of air void characteristics Determination of secant modulus of elasticity in compression Determination of the shrinkage of concrete Compressive Strength of test specimens Determination of flexural strength of test specimens Determination of Tensile splitting strength of test specimens Determination of the depth of penetration of water under pressure Taking, examining and testing in compression cored specimens of concrete in structures	DGZfP Merkblatt B 14 SIA 2052, annex E SIA 262/1 appendix A resp. SN 505 262/1 SIA 262/1 appendix B resp. SN 505 262/1 SIA 262/1 appendix C resp. SN 505 262/1 SIA 262/1 appendix D resp. SN 505 262/1 SIA 262/1 appendix G resp. SN 505 262/1 SIA 262/1 appendix I resp. SN 505 262/1 SIA 262/1 appendix K resp. SN 505 262/1 SN EN 12390-13 resp. SIA 262.263 SN EN 12390-16 resp. SIA 262.266 SN EN 12390-3 resp. SIA 262.253 SN EN 12390-5 resp. SIA 262.255 SN EN 12390-6 resp. SIA 262.256 SN EN 12390-8 resp. SIA 262.258 SN EN 12504-1 resp. SIA 262.213



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Fresh concrete and mortar	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
	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
	Measuring the flexural tensile strength (limit of proportionality (LOP), residual) - Test method for metallic fibre concrete	SN EN 14651 resp. SIA 262.502
	Measurement of bond strength by pull-off (Products and systems for the protection and repair of concrete structures)	SN EN 1542 resp. SIA 162.421
	Determination of the water content of freshly mixed concrete	SIA 262/1 appendix H resp. SN 505 262/1
	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
Concrete and mortar: in situ tests	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
	Determination of rebound number (Schmidt Hammer) of concrete in structures - Non-destructive testing	SN EN 12504-2 resp. SIA 262.214
	Determination of roughness by sand method according to norm: Products and systems for the protection and repair of concrete structures. Test methods. Reference concretes for testing	SN EN 1766 resp. SIA 262.424



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Protection and coating systems, coating materials, paints, impregnations, hydrophobics	Determination of liquid water permeability of paints and varnishes - Coating materials and coating systems for exterior masonry and concrete	SN EN 1062-3
	Measurement of bond strength by pull-off	SN EN 1542 resp. SIA 162.421
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of particle size distribution - Sieving Method	SN EN 933-1
	Determination of Particle Shape of aggregates - Flakiness Index	SN EN 933-3
Soils, underground and rocks: in situ tests	EV and ME-plate bearing test (soils)	VSS 70 317
Road construction and waterproofing: in situ tests	Peeling test (bituminous membranes)	SIA 281/2 resp. SN 564 281/2
	Determination of pull-off bond strength of bituminous membranes	SIA 281/3 resp. SN 564 281/3

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

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