



STS Directory

Accreditation number: STS 0201

International standard: ISO/IEC 17025:2005

Swiss standard: SN EN ISO/IEC 17025:2005

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Site: TCC Technical Competence Center Concrete Laboratory La Ronde-Fin 20 2087 Cornaux (Lab. 2)	Current accreditation: Scope of accreditation see:	12.05.2018 to 11.05.2023 www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 12.05.2018

Testing laboratory for concrete, mortar and aggregates

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)	Lab.
(Hardened) concrete	Determination of water infiltration rate	SIA 262/1 appendix A resp. SN 505 262/1	1, 2
	Determination of the resistance to chlorides	SIA 262/1 appendix B resp. SN 505 262/1	1
	Determination of the Freeze-thaw resistance	SIA 262/1 appendix C resp. SN 505 262/1	1, 2
	Determination of the resistance to sulfates	SIA 262/1 appendix D resp. SN 505 262/1	1
	Determination of (creep) and shrinkage	SIA 262/1 appendix F resp. SN 505 262/1	2
	Determination of resistance to carbonation	SIA 262/1 appendix I resp. SN 505 262/1	1, 2
	Performance test - reactivity of a concrete mixture against alkali reaction (AAR)	SIA guideline 2042, appendix F	2



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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)	Lab.
(Hardened) concrete	Determination of the flexural tensile strength according to norm: Betondecken	SN 640 461	1, 2
	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	1, 2
	Determination of secant modulus of elasticity in compression	SN EN 12390-13 bzw. SIA 262.263	2
	Making and curing specimens for strength tests	SN EN 12390-2 resp. SIA 262.252	1, 2
	Compressive Strength of test specimens	SN EN 12390-3 resp. SIA 262.253	1, 2
	Determination of Textural strength of test specimens	SN EN 12390-5 resp. SIA 262.255	1, 2
	Determination of Density of hardened concrete	SN EN 12390-7 resp. SIA 262.257	2
	Determination of the depth of penetration of water under pressure	SN EN 12390-8 resp. SIA 262.258	1, 2
Mortar (for masonry)	Determination of flexural and compressive strength of hardened mortar	SN EN 1015-11 resp. SIA 177.161	1, 2
Fresh concrete and mortar	Determination of the water content of freshly mixed concrete	SIA 262/1 appendix H resp. SN 505 262/1	1, 2
	Sampling fresh concrete	SN EN 12350-1 resp. SIA 262.231	1, 2
	L box test (Self-compacting concrete)	SN EN 12350-10 resp. SIA 262.240	2
	Sieve segregation test (Self-compacting concrete)	SN EN 12350-11 resp. SIA 262.241	1, 2
	J-ring test (Self-compacting concrete)	SN EN 12350-12 resp. SIA 262.242	1, 2
	Slump test	SN EN 12350-2 resp. SIA 262.232	2
	Determination of degree of compactability	SN EN 12350-4 resp. SIA 262.234	1, 2
	Flow table test	SN EN 12350-5 resp. SIA 262.235	1, 2
	Determination of Density	SN EN 12350-6 resp. SIA 262.236	1, 2



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Fresh concrete and mortar	Determination of air content; Pressure methods	SN EN 12350-7 resp. SIA 262.237	1, 2
	Slump-flow test (Self- compacting concrete)	SN EN 12350-8 resp. SIA 262.238	1, 2
	V-funnel test (Self-compacting concrete)	SN EN 12350-9 resp. SIA 262.239	2
Concrete structures and elements	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213	2
	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	1, 2
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of loose bulk density and voids of aggregates	SN EN 1097-3 resp. SN 670 903-3	2
	Determination of the water content of aggregates by drying in a ventilated oven	SN EN 1097-5 resp. SN 670 903-5	2
	Determination of particle density and water absorption of aggregates	SN EN 1097-6 resp. SN 670 903-6	2
	Determination of organic components according to norm: Tests for chemical properties of aggregates - Part 1: Chemical analysis	SN EN 1744-1 resp. SN 670 905-1	2
	Determination of particle size distribution of aggregates - Sieving Method	SN EN 933-1 resp. SN 670 902-1	1, 2
	Determination of Particle Shape of aggregates - Flakiness Index	SN EN 933-3 resp. SN 670 902-3	1, 2
	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	SN EN 933-5 resp. SN 670 902-5	2

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