



STS Directory

Accreditation number: **STS 0053**

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

Swiss Federal Laboratories for
Materials Testing and Research
Laboratory 304
Mechanical Systems Engineering
Überlandstrasse 129
8600 Dübendorf

Head: Dr. Giovanni Pietro Terrasi
Responsible for MS: James Ott
Telephone: +41 58 765 41 17
E-Mail: <mailto:giovanni.terradi@empa.ch>
Internet: <http://www.empa.ch>
Initial accreditation: 15.03.1994
Current accreditation: 15.06.2019 to 14.06.2024
Scope of accreditation
see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 15.06.2019

Testing laboratory for mechanical testing of metallic materials, structural components and constructions, medical components - implants as well as polymer systems and membranes

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)
Tests on metallic materials - structural steels - reinforcing steels - prestressing steels - prestressing systems - structural components	Mechanical testing Test methods for strength and ductility (tension, compression, bending, torsion etc.) Tensile test on metallic materials at room temperature Tensile test on reinforcing steel Bend-rebend test on reinforcing	DIN EN ISO 6892, Part 1 SOP no 01'672 SIA 262/EN ISO 15630, partie 1 EN 10080 DIN EN ISO 6892, Part 1 SOP n° 01'627 SIA 262/EN 10080



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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)
Metallic materials	steel with aging	SOP no 01'629
	Shear test on the welded joints	SIA 262/DIN EN ISO 15630, Part 2
	of welded wire mesh	SOP no 01'632
	Tensile test on prestressing steel	SIA 262/DIN EN 10138, Part 1 - 4 DIN EN ISO 6892, Part 1
		DIN EN ISO 15630, Part 3
		SOP no 02'187
	Fatigue testing on prestressing steel	SIA 262/DIN EN 10138, Part 1 - 4 DIN EN ISO 15630, Part 3
		SOP no 02'568
	Fatigue testing on reinforcing steel	SIA 262/EN 10080 DIN EN ISO 15630, Part 1 - 2
		SOP no 01'729
	Constant amplitude fatigue test, general	DIN 50100 ISO 1099 / ASTM E 466 ISO 1352 DIN 50142 DIN 50113 / ISO 1143
	Constant amplitude fatigue test, ropeway components	SOP no 03'002 SN EN 13796-3 SOP no 03'003
	Toughness testing methods	
Deflected tensile test on prestressing strands	SIA 262/DIN EN 10138, Part 1 - 4 DIN EN ISO 15630, Part 3	
	SOP no 02'183	
Other test methods		
Mass per meter of reinforcing steel	SIA 262/DIN EN ISO 15630, Part 1 EN 10080	
	SOP no 01'626	
Mass per meter of prestressing steel	SIA 262/DIN EN 10138, Part 1 - 4 DIN EN ISO 15630, Part 3	
	SOP no 02'186	
Determination of relative rib area	SIA 262/DIN EN ISO 15630, Part 1	



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Medical components - implants	on reinforcing steel Mechanical Testing of medical components - implants	SOP no 00'807 DIN 50100, DIN EN ISO 14801 ASTM F 1717 ISO 7206, Part 4, 6, 10 SOP no 00'817
Testing of materials and systems to hail resistance		
Plastic sealing membranes	Hail resistance	<i>SIA V280 (1996)</i> <i>SOP no 00'904</i> (expired since 2003)
Materials and systems of building envelope	Hail resistance by impact of projectiles of variable sizes and materials, especially ice mass, velocity	VKF – guidelines SOP no 00'811
Solar systems, components and assemblies	Hail resistance by impact of projectiles of variable sizes and materials, especially ice mass, velocity	SN EN 12'975, 12'976, 12'977 SN EN 61'646 (IEC 61'646) SN EN 61'215 (IEC 61'215) SN EN 62'108 (IEC 62'108, VDE 0126-33) SOP no 00'812
Roofing membranes	Hail resistance by impact of polymer balls	SN EN 13583 SOP no 00'813
Rigid Roofing Materials	Specification test standard for hail resistance testing by impact of freezer ice balls	FM 4473 (Factory mutual USA) SOP no 00'814

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