



## STS Directory

**Accreditation number: STS 0090**

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

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Internet: <http://www.infralab.ch>  
Initial accreditation: 25.10.1994  
Current accreditation: 14.02.2020 to 13.02.2025  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as from 14.02.2020

**Testing laboratory for soils, aggregates, bituminous binders and mixtures, concretes, in situ tests and survey of roads and other circulated area**

| 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) |
|---|--|--|
| (Hardened) concrete                               | Determination of water infiltration rate   | SIA 262/1 annex A resp. SN 505 262/1   |
|   | 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  |
| Fresh concrete and mortar                         | Determination of the density and cement content  | SIA 162/1, test No 18, resp. SN 562 162/1, repealed standards                    |
|   | Determination of the water content of freshly mixed concrete                             | SIA 262/1 annex H resp. SN 505 262/1   |



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|---|---|--|
| Fresh concrete and mortar   | Sampling fresh concrete   | SN EN 12350-1 resp.<br>SIA 262.231   |
|   | Slump test  | SN EN 12350-2 resp.<br>SIA 262.232   |
|   | Determination of degree of compactability   | SN EN 12350-4 resp.<br>SIA 262.234   |
|   | Flow table test   | SN EN 12350-5 resp.<br>SIA 262.235   |
|   | Determination of density  | SN EN 12350-6 resp.<br>SIA 262.236   |
|   | Determination of air content; Pressure methods  | SN EN 12350-7 resp.<br>SIA 262.237   |
|   | Slump-flow test (Self-compacting concrete)  | SN EN 12350-8 resp.<br>SIA 262.238   |
| Concrete structures and elements  | Determination of chloride content in hardened concrete – Products and systems for the protection and repair of concrete structures  | SN EN 14629 resp.<br>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.<br>SIA 262.495   |
| Concrete and mortar: in situ tests  | Measurement of bond strength by pull-off  | SN EN 1542 resp.<br>SIA 162.421  |
|   | 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.<br>SIA 262.424  |
| (Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc. | Sedimentation analysis, areometer method (mineral aggregates)   | SN 670 816, repealed standard  |
|   | Determination of resistance of aggregates to fragmentation  | SN EN 1097-2 resp.<br>SN 670 903-2   |
|   | Determination of the water content of aggregates by drying in a ventilated oven   | SN EN 1097-5 resp.<br>SN 670 903-5   |
|   | Determination of loose bulk density and voids of aggregates   | SN EN 1097-3 resp.<br>SN 670 903-3   |



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|---|---|--|
| (Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc. | Determination of particle density and water absorption of aggregates<br><br>Methods for sampling aggregates<br><br>Determination of particle size distribution of aggregates - Sieving Method<br><br>Tests for geometrical properties of aggregates - Classification test for the constituents of coarse recycled aggregate<br><br>Determination of Particle Shape of aggregates - Flakiness Index<br><br>Determination of percentage of crushed and broken surfaces in coarse aggregate particles<br><br>Determination of flow coefficient of aggregates | SN EN 1097-6 resp.<br>SN 670 903-6<br><br>SN EN 932-1 resp.<br>SN 670 901-1<br><br>SN EN 933-1 resp.<br>SN 670 902-1<br><br>SN EN 933-11 resp.<br>SN 670 902-11<br><br>SN EN 933-3 resp.<br>SN 670 902-3<br><br>SN EN 933-5 resp.<br>SN 670 902-5<br><br>SN EN 933-6 resp.<br>SN 670 902-6 |
| Soft rocks, soils, ground   | Determination of the consistency limits (liquid limit and plastic limit of soils, 3 point method)   | SN 670 345, withdrawn standard   |
| Soils, underground and rocks: in situ tests   | Test methods for the determination of the laboratory reference density and water content (unbound and hydraulically bound mixtures). Proctor compaction<br><br>EV and ME-plate bearing test (soils)   | SN EN 13286-2 resp.<br>SN 670 330-2<br><br>VSS 70 317 resp.<br>SN 670 317 (old No, no more valid)  |
| Bituminous binders  | Determination of the penetration index PI according to norm: Specifications for paving grade bitumen<br><br>Bitumen recovery: Rotary evaporator<br><br>Determination of the elastic recovery of modified bitumen<br><br>Determination of needle penetration<br><br>Determination of softening point Ring and Ball method  | SN EN 12591 resp.<br>SN 670 202<br><br>SN EN 12697-3 resp.<br>SN 670 403<br><br>SN EN 13398 resp.<br>SN 670 547<br><br>SN EN 1426 resp.<br>SN 670 511<br><br>SN EN 1427 resp.<br>SN 670 512  |



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| Bituminous binders                                  | Sampling bituminous binders  | SN EN 58 resp.<br>SN 670 501   |
| Bituminous mixtures                                 | Determination of the soluble binder part according to Rouen  | Méthode LPC "projet de mode opératoire - Rouen", modified procedure              |
|   | Determination of layers adhesion (Leutner)   | VSS 70 461 resp.<br>SN 670 461 (old No, no more valid)                           |
|   | Soluble binder content determination of mix asphalt  | SN EN 12697-1 resp.<br>SN 670 401  |
|   | Determination of the water sensitivity of bituminous specimens   | SN EN 12697-12 resp.<br>SN 670 412   |
|   | Determination of particle size distribution of hot mix asphalt   | SN EN 12697-2 resp.<br>SN 670 402  |
|   | Determination of the indirect tensile strength of bituminous specimens   | SN EN 12697-23 resp.<br>SN 670 423   |
|   | Sampling bituminous mixtures   | SN EN 12697-27 resp.<br>SN 670 427   |
|   | Specimen preparation by impact compactor   | SN EN 12697-30 resp.<br>SN 670 430   |
|   | Marshall test  | SN EN 12697-34 resp.<br>SN 670 434   |
|   | Method for the determination of the thickness of a bituminous pavement   | SN EN 12697-36 resp.<br>SN 670 436   |
|   | Determination of the maximum density of hot mix asphalt  | SN EN 12697-5 resp.<br>SN 670 405  |
|   | Determination of bulk density of bituminous specimens  | SN EN 12697-6 resp.<br>SN 670 406  |
|   | Determination of void characteristics of bituminous specimens  | SN EN 12697-8 resp.<br>SN 670 408  |
| Road construction and water-proofing: in situ tests | Measurement of transverse and longitudinal profiles in the evenness and megatexture wavelength ranges (ARAN - automatic road analyzer) - Road and airfield surface characteristics | SN EN 13036-6 resp.<br>SN 640 516-6  |
|   | Determination of transverse unevenness indices (ARAN - automatic road analyzer) - Road and airfield surface characteristics  | SN EN 13036-8 resp.<br>SN 640 516-8  |



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|---|--|--|
| Road construction and water-proofing: in situ tests | <p>Deflexion test</p> <p>Condition description and index evaluation (ARAN - automatic road analyzer) - Maintenance management of the roadways</p> <p>Measurement of pavement surface macrotexture depth using a volumetric patch technique - Road and airfield surface characteristics</p> <p>Determination of Mean Profile Depth (ISO 13473-1) (ARAN - automatic road analyzer) - Characterization of pavement texture by use of surface profiles</p> <p>Measurement of the longitudinal flatness - Pavement surface characteristics (ARAN - automatic road analyzer)</p> <p>Measurement of the transverse flatness - Pavement surface characteristics (ARAN - automatic road analyzer)</p> | <p>Falling Weight Deflectometer – Calibration Guide, protocol 3 + 10 CROW Report D11-07 - national information and technology platform for infrastructure, traffic, transport and public space, NL</p> <p>VSS 40 925 resp.<br/>SN 640 925 (old No, no more valid)</p> <p>SN EN 13036-1 resp.<br/>SN 640 511-1</p> <p>SN EN ISO 13473-1 resp.<br/>SN 640 511-11</p> <p>VSS 40 517 resp.<br/>SN 640 517 (old No, no more valid)</p> <p>VSS 40 518 resp.<br/>SN 640 515 (old No, no more valid)</p> |

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