



**Accreditation number** STS 580  
Accreditation standard ISO/IEC 17025:2005

## STS Directory

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### Testing laboratory for in situ tests in the domain of road construction and concrete

BTS Baucontrol AG  
Bäckerstrasse 5  
CH-8952 Schlieren

Head: Michael Krüger  
Responsible for MS: Fortunat Hartmann  
Telephone: +41 44 731 93 53  
Telefax: +41 44 731 93 42  
E-Mail: [michael.krueger@btsbaucontrol.ch](mailto:michael.krueger@btsbaucontrol.ch)  
[fortunat.hartmann@btsbaucontrol.ch](mailto:fortunat.hartmann@btsbaucontrol.ch)  
Internet: <http://www.btsbaucontrol.ch>  
First accreditation (d,m,y): 16.10.2012  
Last accreditation (d,m,y): 16.10.2012  
Updated version: [www.sas.ch](http://www.sas.ch) (accredited bodies)

### Scope of accreditation in October 2012

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)
Concrete and mortar: in situ tests	Determination of the water content of building materials (CM method) according to norm: industrial soils without joints	SIA 252 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
	Measurement of bond strength by pull-off	SN EN 1542 resp. 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. SIA 162.424

- 1) Type A: It is not allowed to change the scope
- 2) Type B: Optimizing defined test methods (adapt to client's needs, adapted standards) is allowed
- 3) Type C: Introduction of additional test methods for the different types of tests is allowed



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Concrete and mortar: in situ tests	Determination of the water content of building materials according to calcium carbide method (CM method)	ZTV-ING - Zusätzliche technische Vertragsbedingungen und Richtlinien für Ingenieurbauten. Verkehrsblatt-Verlag. Teil 3, Abschn. 4
Road construction and waterproofing: in situ tests	Peeling test (bituminous membranes)  Determination of pull-off bond strength of bituminous membranes  Measurement of coating / layer thickness	SIA 281/2 resp. SN 564 281/2  SIA 281/3 resp. SN 573 281/3  TP-BEL-B 3 - Technische Prüfvorschriften für Baustoffe zur Herstellung von Brückenbelägen auf Beton mit Dichtungsschicht nach ZTV-BEL-B Teil 3, FGSV-Verlag, Postfach 501362, 50973 Köln

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