

Scope of accreditation

Testing according to SS-EN ISO/IEC 17025:2018

RISE Research Institutes of Sweden AB
Infrastruktur och betongbyggande

Borås

Accreditation number
1002
A002626-084

Chemical analysis

Road- and constructions materials

Method	Parameter	Material	Flex	Type of flex	Field	Note
AASHTO T 260	Chloride, total	Concrete	Yes	2	No	Endast procedur A
Inhouse method; SP 0433	Chloride, total	Concrete	Yes	1	No	
NT BUILD 492	Migration	Concrete	Yes	1	No	
SS-EN 1744-1+A1	Humus	Aggregat	Yes	1	No	Endast avsnitt 15.1, 15.2
SS-EN 933-9	Methylene blue test	Aggregat	Yes	1	No	

Functional testing

Combustion technology

Method	Parameter	Material	Flex	Type of flex	Field	Note
ASTM 2779-10	Exhaust and particulate emissions		Yes	2	No	
ASTM E2515-11	Exhaust and particulate emissions		Yes	2	No	
ASTM E2618-13	Exhaust and particulate emissions		Yes	2	No	
ASTM E2780-10	Exhaust and particulate emissions		Yes	2	No	
CEN/TS 15883	Combustion	Stationary source emissions	Yes	2	No	
EN 1	Combustion	Heating elements and oven	Yes	2	No	
EN 12809	Combustion	Boilers	Yes	2	No	
EN 12815	Combustion	Heating elements and oven	Yes	2	No	

Date

Reference

2024-07-11

2024/230

Functional testing

Combustion technology

Method	Parameter	Material	Flex	Type of flex	Field	Note
EN 13229	Combustion	Heating elements and oven	Yes	2	No	
EN 13240	Combustion	Heating elements and oven	Yes	2	No	
EN 15250	Combustion	Heating elements and oven	Yes	2	No	
EN 16510-1	Combustion	Heating elements and oven	Yes	2	No	
EN 16510-2-1	Combustion	Heating elements and oven	Yes	2	No	
EN 16510-2-2	Combustion	Heating elements and oven	Yes	2	No	
EN 16510-2-3	Combustion	Heating elements and oven	Yes	2	No	
EN 16510-2-6	Combustion	Heating elements and oven	Yes	2	No	
EN 303-5	Combustion	Boilers	Yes	2	No	
EN 304	Combustion	Boilers	Yes	2	No	
EPA method 28 WHH PTS	Exhaust and particulate emissions		Yes	2	No	
Inhouse method; 4160	Combustion	Heating elements and oven	Yes	2	No	
Method 28r			Yes	2	No	
NS 3058	Combustion	Heating elements and oven	Yes	2	No	
SS-EN 14785	Combustion	Heating elements and oven	Yes	2	No	

Functional testing

District Heating Technology

Method	Parameter	Material	Flex	Type of flex	Field	Note
EN 1148+A1	Capacity	Heat exchangers	Yes	2	No	
F:103-8	Capacity	District heating systems	Yes	2	No	
UK HIU test regime	Capacity	District heating systems	Yes	2	No	

Functional testing

Sanitary technology

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
EAD 030352-00-503	Tightness	Wastewater	Yes	2	No	
EN 1111	Function	Mixing taps	Yes	2	No	
EN 1213	Function	Valves	Yes	2	No	
EN 1253-1	Function	Wastewater	Yes	2	No	
EN 1253-2	Function	Wastewater	Yes	2	No	
EN 1253-8	Function	Wastewater	Yes	2	No	
EN 1254-2	Function	Couplings	Yes	2	No	6-32 mm
EN 1254-3	Function	Couplings	Yes	2	No	6-32 mm
EN 13828	Function	Valves	Yes	2	No	
EN 200	Function	Mixing taps	Yes	2	No	
EN 274-2	Function	Pipe	Yes	2	No	
EN 817	Function	Mixing taps	Yes	2	No	
EN ISO 13056	Tightness	Couplings	Yes	2	No	
EN ISO 15875-5	Function	Couplings	Yes	2	No	
EN ISO 19893	Tightness	Couplings	Yes	2	No	
EN ISO 3501	Tensile Testing	Couplings	Yes	2	No	
EN ISO 3503	Tightness	Couplings	Yes	2	No	
Inhouse method, SP-5060	Tightness	Couplings	Yes	2	No	
Inhouse method, SP-5314	Function	Valves	Yes	2	No	
Inhouse method, SP-5676	Tightness	Couplings	Yes	2	No	
ISO 14236	Function	Couplings	Yes	2	No	
NKB 12	Function	Couplings	Yes	2	No	
NKB 13	Function	Valves	Yes	2	No	
NKB 18	Function	Couplings	Yes	2	No	

Date

Reference

2024-07-11

2024/230

Functional testing

Sanitary technology

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
NKB 4 point 3.5.3	Function	Mixing taps	Yes	2	No	
NKB 9	Function	Valves	Yes	2	No	
NT VVS 064	Tensile Testing	Couplings	Yes	2	No	
NT VVS 065	Tightness	Couplings	Yes	2	No	
NT VVS 129	Function	Couplings	Yes	2	No	
SS 820000+PM	Energy efficiency	Mixing taps	Yes	2	No	
SS 820001+PM	Energy efficiency	Mixing taps	Yes	2	No	
SS-EN 15091	Function	Mixing taps	Yes	2	No	

Physical properties

Construction materials

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN 1340	Dimensional stability	Concrete	Yes	1	No	Endast bilaga C, D, G
		Concrete	Yes	2	No	Endast bilaga F, H
SS-EN 13892-2	Tensile	Building materials	Yes	1	No	
SS-EN 491		Roof tiles	Yes	1	No	
SS-EN 772-1+A1	Compressive strength	Building materials	Yes	2	No	
SS-EN 772-13	Density	Building materials	Yes	1	No	
SS-EN 772-14	Moisture movement	Building materials	Yes	2	No	
SS-EN 772-16	Dimension	Building materials	Yes	1	No	
SS-EN 772-20/A1	Planarity	Building materials	Yes	1	No	

Physical properties

Road- and constructions materials

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ASTM C1018, mod	Toughness index	Concrete	Yes	1	No	

Physical properties

Road- and constructions materials

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ASTM C295-03	Petrographic examination	Aggregat	Yes	1	No	
Inhouse method; CBI nr 6	Adhesion	Concrete	Yes	2	No	
Inhouse method; SP 1614	Filling capacity	Concrete	Yes	1	No	
Inhouse method; SP 1651	Flow rate	Concrete	Yes	1	No	
Inhouse method; SP 1666	Alkali-Silica Reaction (ASR)	Concrete	Yes	2	No	
NT BUILD 295	Alkali-Silica Reaction (ASR)	Aggregat	Yes	2	No	
RILEM AAR-1.1	Petrographic examination	Aggregat	Yes	1	No	
RILEM AAR-10	Alkali-Reactivity	Aggregat	Yes	2	No	
RILEM AAR-11	Alkali-Reactivity	Aggregat	Yes	2	No	
RILEM AAR-2	Alkali-Reactivity	Aggregat	Yes	2	No	
RILEM AAR-3	Alkali-Reactivity	Aggregat	Yes	2	No	
RILEM AAR-4	Alkali-Reactivity	Aggregat	Yes	2	No	
SS 137126	Stiffening	Concrete	Yes	1	No	
SS 137215	Shrinkage	Concrete	Yes	2	No	
SS 137220	Compressive strength	Concrete	Yes	2	No	
SS 137242	Carbonation depth	Concrete	Yes	1	No	
SS 137244	Frost resistance	Concrete	Yes	1	No	
SS 137245	Frost resistance	Concrete	Yes	1	No	
SS 137540	Bleeding	Concrete	Yes	1	No	
SS-EN 1097-1	Resistance to wear (Micro-Deval)	Aggregat	Yes	1	No	
SS-EN 1097-2	Resistance to fragmentation	Aggregat	Yes	1	No	
SS-EN 1097-3	Bulk density	Aggregat	Yes	1	No	

Physical properties

Road- and constructions materials

Method	Parameter	Material	Flex	Type of flex	Field	Note
SS-EN 1097-6	Particle density and water absorption	Aggregat	Yes	1	No	
SS-EN 1097-7	Particle density	Aggregat	Yes	1	No	
SS-EN 1097-9	Resistance to wear by abrasion from studded tyres	Aggregat	Yes	1	No	
SS-EN 12350-1	Sample preparation	Concrete	Yes	1	No	
SS-EN 12350-2	Slump-test	Concrete	Yes	1	No	
SS-EN 12350-5	Dimensional stability	Concrete	Yes	1	No	
SS-EN 12350-6	Density	Concrete	Yes	1	No	
SS-EN 12350-7/AC	Air content	Concrete	Yes	1	No	
SS-EN 12371	Frost resistance	Natural stone	Yes	1	No	Ej test B, kapitel 6.2.2, 6.6.2, 7.3.2,
SS-EN 12372	Bend testing	Natural stone	Yes	2	No	
SS-EN 12390-3/AC	Compressive strength	Concrete	Yes	2	No	
SS-EN 12390-6	Tensile splitting strength	Concrete	Yes	1	No	
SS-EN 12390-7	Density	Concrete	Yes	1	No	Endast kapitel 5.1.1 a
SS-EN 12407	Petrographic examination	Natural stone	Yes	1	No	
SS-EN 13364	Tensile	Natural stone	Yes	1	No	
SS-EN 1338	Dimension	Concrete	Yes	1	No	Endast bilaga C, D, G
		Concrete	Yes	2	No	Endast bilaga F, H
SS-EN 1339	Dimension	Concrete	Yes	1	No	Endast bilaga C, D, G
		Concrete	Yes	2	No	Endast bilaga F, H
SS-EN 1367-1	Frost resistance	Aggregat	Yes	1	No	
SS-EN 1367-6	Frost resistance	Aggregat	Yes	1	No	
SS-EN 13755	Water absorption	Natural stone	Yes	1	No	
SS-EN 14066	Resistance to ageing	Natural stone	Yes	1	No	
SS-EN 14157	Abrasion resistance	Natural stone	Yes	2	No	

Physical properties

Road- and constructions materials

Method	Parameter	Material	Flex	Type of flex	Field	Note
SS-EN 14158	Impact strength	Natural stone	Yes	1	No	
SS-EN 14231	Slip resistance	Natural stone	Yes	1	No	
SS-EN 14488-3	Tensile	Concrete	Yes	2	No	
SS-EN 14579	Ultrasonic speed propagation	Natural stone	Yes	1	No	
SS-EN 16140	Heat Resistance	Natural stone	Yes	1	No	
SS-EN 16306	Resistance to ageing	Natural stone	Yes	1	No	
SS-EN 1926	Compressive strength	Natural stone	Yes	2	No	
SS-EN 1936	Density	Natural stone	Yes	1	No	Ej kap 8.2
SS-EN 196-1	Tensile	Cement	Yes	1	No	
SS-EN 196-3	Setting time	Cement	Yes	1	No	
SS-EN 196-6	Specific surface	Cement	Yes	1	No	
SS-EN 196-7	Sample preparation	Cement	Yes	1	Yes	
SS-EN 413-2	Consistence, Air content, Water retention	Cement	Yes	1	No	
SS-EN 932-3	Petrographic examination	Aggregat	Yes	1	No	
SS-EN 933-1	Particle size distribution	Aggregat	Yes	1	No	
SS-EN 933-10	Particle size distribution	Aggregat	Yes	1	No	
TDOK 2014:0144	Mica content	Aggregat	Yes	1	No	Endast metod C

Changes in the scope of accreditation are in bold.

The scope of accreditation is flexible as specified in this decision. The accredited body must always retain a current list of the scope for which it is accredited.

Date

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2024/230

Type of flexible scope

1: - Introduce new version of standard method and make editorial changes to non-standard method

2: - Introduce new version of standard method and make editorial changes to non-standard method - Introduce new version and modifications of non-standard method. The procedure must be equivalent - Introduce new parameter/component/characteristics - Introduce new measurement range - Introduce new material/new products/matrices - Introduce new method equivalent to methods already in the accreditation decision