

Date

Reference

2024-03-11

2022/2625

Scope of accreditation

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

RISE Research Institutes of Sweden AB

Borås

Accreditation number

1002

Infrastruktur och betongbyggande

A002626-084

Chemical analysis

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Road- and constructions materials	Chloride, total	AASHTO T 260	Concrete	Yes	2	No	Endast procedur A
		Intern metod; SP 0433	Concrete	Yes	1	No	
	Humus	SS-EN 1744-1+A1	Aggregat	Yes	1	No	Endast avsnitt 15.1, 15.2
	Methylene blue test	SS-EN 933-9	Aggregat	Yes	1	No	
	Migration	NT BUILD 492	Concrete	Yes	1	No	

Functional testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
District Heating Technology	Capacity	EN 1148+A1	Heat exchangers	Yes	2	No	
		F:103-8	District heating systems	Yes	2	No	
		UK HIU test regime	District heating systems	Yes	2	No	
Sanitary technology	Energy efficiency	SS 820000+PM	Mixing taps	Yes	2	No	
		SS 820001+PM	Mixing taps	Yes	2	No	
	Function	EN 1111	Mixing taps	Yes	2	No	
		EN 1213	Valves	Yes	2	No	
		EN 1253-1	Wastewater	Yes	2	No	
		EN 1253-2	Wastewater	Yes	2	No	

Date

Reference

2024-03-11

2022/2625

Functional testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>	
Sanitary technology	Function	EN 1253-8	Wastewater	Yes	2	No		
		EN 1254-2	Couplings	Yes	2	No	6-32 mm	
		EN 1254-3	Couplings	Yes	2	No	6-32 mm	
		EN 13828	Valves	Yes	2	No		
		EN 200	Mixing taps	Yes	2	No		
		EN 274-2	Pipe	Yes	2	No		
		EN 817	Mixing taps	Yes	2	No		
		EN ISO 15875-5	Couplings	Yes	2	No		
		Inhouse method, SP-5314	Valves	Yes	2	No		
		ISO 14236	Couplings	Yes	2	No		
		NKB 12	Couplings	Yes	2	No		
		NKB 13	Valves	Yes	2	No		
		NKB 18	Couplings	Yes	2	No		
		NKB 4 point 3.5.3	Mixing taps	Yes	2	No		
		NKB 9	Valves	Yes	2	No		
		NT VVS 129	Couplings	Yes	2	No		
		SS-EN 15091	Mixing taps	Yes	2	No		
		Tensile Testing	EN ISO 3501	Couplings	Yes	2	No	
			NT VVS 064	Couplings	Yes	2	No	
		Tightness	EAD 030352-00-503	Wastewater	Yes	2	No	
	EN ISO 13056		Couplings	Yes	2	No		
	EN ISO 19893		Couplings	Yes	2	No		
	EN ISO 3503		Couplings	Yes	2	No		
	Inhouse method, SP-5060		Couplings	Yes	2	No		

Date

Reference

2024-03-11

2022/2625

Functional testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Sanitary technology	Tightness	Inhouse method, SP-5676	Couplings	Yes	2	No	
		NT VVS 065	Couplings	Yes	2	No	

Physical properties

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Construction materials		SS-EN 491	Roof tiles	Yes	1	No	
	Compressive strength	SS-EN 772-1+A1	Building materials	Yes	2	No	
	Density	SS-EN 772-13	Building materials	Yes	1	No	
	Dimension	SS-EN 772-16	Building materials	Yes	1	No	
	Dimensional stability	SS-EN 1340	Concrete	Yes	1	No	Endast bilaga C, D, G
			Concrete	Yes	2	No	Endast bilaga F, H
	Moisture movement	SS-EN 772-14	Building materials	Yes	2	No	
	Planarity	SS-EN 772-20/A1	Building materials	Yes	1	No	
Tensile	SS-EN 13892-2	Building materials	Yes	1	No		
Road- and constructions materials	Abrasion resistance	SS-EN 14157	Natural stone	Yes	2	No	
	Adhesion	Inhouse method; CBI nr 6	Concrete	Yes	2	No	
	Air content	SS-EN 12350-7/AC	Concrete	Yes	1	No	
	Alkali-Reactivity	RILEM AAR-10	Aggregat	Yes	2	No	
		RILEM AAR-11	Aggregat	Yes	2	No	
		RILEM AAR-2	Aggregat	Yes	2	No	
		RILEM AAR-3	Aggregat	Yes	2	No	
RILEM AAR-4	Aggregat	Yes	2	No			

Physical properties

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Road- and constructions materials	Alkali-Silica Reaction (ASR)	Intern metod; SP 1666	Concrete	Yes	2	No	
		NT BUILD 295	Aggregat	Yes	2	No	
	Bend testing	SS-EN 12372	Natural stone	Yes	2	No	
	Bleeding	SS 137540	Concrete	Yes	1	No	
	Bulk density	SS-EN 1097-3	Aggregat	Yes	1	No	
	Carbonation depth	SS 137242	Concrete	Yes	1	No	
	Compressive strength	SS 137220	Concrete	Yes	2	No	
		SS-EN 12390-3/AC	Concrete	Yes	2	No	
		SS-EN 1926	Natural stone	Yes	2	No	
	Consistence, Air content, Water retention	SS-EN 413-2	Cement	Yes	1	No	
	Density	SS-EN 12350-6	Concrete	Yes	1	No	
		SS-EN 12390-7	Concrete	Yes	1	No	Endast kapitel 5.1.1 a
		SS-EN 1936	Natural stone	Yes	1	No	Ej kap 8.2
	Dimension	SS-EN 1338	Concrete	Yes	1	No	Endast bilaga C, D, G
			Concrete	Yes	2	No	Endast bilaga F, H
		SS-EN 1339	Concrete	Yes	1	No	Endast bilaga C, D, G
			Concrete	Yes	2	No	Endast bilaga F, H
	Dimensional stability	SS-EN 12350-5	Concrete	Yes	1	No	
	Filling capacity	Intern metod; SP 1614	Concrete	Yes	1	No	
Flow rate	Intern metod; SP 1651	Concrete	Yes	1	No		

Date

Reference

2024-03-11

2022/2625

Physical properties

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Road- and constructions materials	Frost resistance	SS 137244	Concrete	Yes	1	No	
		SS 137245	Concrete	Yes	1	No	
		SS-EN 12371	Natural stone	Yes	1	No	Ej test B, kapitel 6.2.2, 6.6.2, 7.3.2,
		SS-EN 1367-1	Aggregat	Yes	1	No	
		SS-EN 1367-6	Aggregat	Yes	1	No	
	Heat Resistance	SS-EN 16140	Natural stone	Yes	1	No	
	Impact strength	SS-EN 14158	Natural stone	Yes	1	No	
	Mica content	TDOK 2014:0144	Aggregat	Yes	1	No	Endast metod C
	Particle density	SS-EN 1097-7	Aggregat	Yes	1	No	
	Particle density and water absorption	SS-EN 1097-6	Aggregat	Yes	1	No	
	Particle size distribution	SS-EN 933-1	Aggregat	Yes	1	No	
		SS-EN 933-10	Aggregat	Yes	1	No	
	Petrographic examination	ASTM C295-03	Aggregat	Yes	1	No	
		RILEM AAR-1.1	Aggregat	Yes	1	No	
		SS-EN 12407	Natural stone	Yes	1	No	
		SS-EN 932-3	Aggregat	Yes	1	No	
	Resistance to ageing	SS-EN 14066	Natural stone	Yes	1	No	
		SS-EN 16306	Natural stone	Yes	1	No	
	Resistance to fragmentation	SS-EN 1097-2	Aggregat	Yes	1	No	
	Resistance to wear (Micro-Deval)	SS-EN 1097-1	Aggregat	Yes	1	No	

Date

Reference

2024-03-11

2022/2625

Physical properties

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Road- and constructions materials	Resistance to wear by abrasion from studded tyres	SS-EN 1097-9	Aggregat	Yes	1	No	
	Sample preparation	SS-EN 12350-1	Concrete	Yes	1	No	
		SS-EN 196-7	Cement	Yes	1	Yes	
	Setting time	SS-EN 196-3	Cement	Yes	1	No	
	Shrinkage	SS 137215	Concrete	Yes	2	No	
	Slip resistance	SS-EN 14231	Natural stone	Yes	1	No	
	Slump-test	SS-EN 12350-2	Concrete	Yes	1	No	
	Specific surface	SS-EN 196-6	Cement	Yes	1	No	
	Stiffening	SS 137126	Concrete	Yes	1	No	
	Tensile	SS-EN 13364	Natural stone	Yes	1	No	
		SS-EN 14488-3	Concrete	Yes	2	No	
		SS-EN 196-1	Cement	Yes	1	No	
	Tensile splitting strength	SS-EN 12390-6	Concrete	Yes	1	No	
	Toughness index	ASTM C1018, mod	Concrete	Yes	1	No	
	Ultrasonic speed propagation	SS-EN 14579	Natural stone	Yes	1	No	
Water absorption	SS-EN 13755	Natural stone	Yes	1	No		

Date

Reference

2024-03-11

2022/2625

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.

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