

Date

Reference

2021-04-28

2021/638

## Scope of accreditation

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

RISE Research Institutes of Sweden AB

Göteborg

Accreditation number

1002

Infrastruktur och betongbyggande

A002626-047

### 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>
Combustion technology	Combustion	Emissions measurement manual	Stationary source emissions	Yes	2	Yes	Ammonia (NH3)
		ISO 8178-2	Ship	Yes	2	Yes	
		SJÖFS 2014:10	Ship	Yes	2	Yes	Upphävd föreskrift
	Process teperature	IMO Res. MEPC.177 (58)	Ship	Yes	2	Yes	
District Heating Technology	Heat insulation	ISO 8497	Construction products	Yes	2	No	
	<b>Water tightness</b>	<b>EN 489-1</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	<b>Water impermeability test</b>
Plastics	Air permeability	ISO 13255	Construction products	Yes	2	No	
	Change in volume	EN 12566-1	Construction products	Yes	2	No	Pit test
		EN 12566-3	Construction products	Yes	2	No	Pit test
	Change of temperature	EN 1055	Construction products	Yes	2	No	
		ISO 13257	Construction products	Yes	2	No	
	Effects of heat	EN 763	Construction products	Yes	2	No	
		ISO 12091	Construction products	Yes	2	No	
		ISO 580	Construction products	Yes	2	No	
	Melt flow index	ISO 1133	Construction products	Yes	2	No	
		ISO 1133-1	Construction products	Yes	2	No	
Process teperature	ISO 18373-1	Construction products	Yes	2	No		
Ring flexibility	EN 1446	Construction products	Yes	2	No		

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Plastics	Ring flexibility	EN ISO 13968	Construction products	Yes	2	No	
	Thermal stability	EN 728	Construction products	Yes	2	No	
		EN ISO 11357-6	Construction products	Yes	2	No	
		ISO 11357-6	Construction products	Yes	2	No	
		SS 3579	Construction products	Yes	2	No	
	Tightness of joints	EN 1053	Construction products	Yes	2	No	
		EN 1054	Construction products	Yes	2	No	
		EN 1277	Construction products	Yes	2	No	
		EN ISO 13844	Construction products	Yes	2	No	
		EN ISO 13845	Construction products	Yes	2	No	
		ISO 13259	Construction products	Yes	2	No	
		ISO 13844	Construction products	Yes	2	No	
		ISO 13845	Construction products	Yes	2	No	
ISO 13846	Construction products	Yes	2	No			

### Material 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	<b>Ageing</b>	<b>EN 253</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
	<b>Cell size</b>	<b>EN 253</b>	<b>Multifunctional balanced ventilation units VP/FTX</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
	Heat insulation	EN 253	Construction products	Yes	2	No	
	<b>Shearing strength</b>	<b>EN 253</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
	Stress cracking	ISO 16770	Construction products	Yes	2	No	
	<b>Voids and bubbles</b>	<b>EN 253</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
	<b>Water absorption</b>	<b>EN 253</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
Plastics	Ash content	EN ISO 3451-1	Construction products	Yes	2	No	Direct calcination

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Plastics	Ash content	EN ISO 3451-5	Construction products	Yes	2	No	
	Creep test	ISO 7684	Construction products	Yes	2	No	
	Crushing decohesion test	ISO 13955	Construction products	Yes	2	No	
	Determination of flexural properties	DVS 2203	Construction products	Yes	2	No	Bending test
		ISO 13267	Construction products	Yes	2	No	
		ISO 178	Construction products	Yes	2	No	
	Effect of chemicals	EN 580	Construction products	Yes	2	No	
	Extrapolations	EN ISO 9080	Construction products	Yes	2	No	
		ISO/TR 9080	Construction products	Yes	2	No	
	Flexibility and stiffness	ISO 7685	Construction products	Yes	2	No	
	Function	DS 2077.2	Construction products	Yes	2	No	
		EN 14125	Construction products	Yes	2	No	
		SPF 1300	Construction products	Yes	2	No	
		SS 3542	Construction products	Yes	2	No	
	Impact strength	EN 12061	Construction products	Yes	2	No	
		EN 1411	Construction products	Yes	2	No	
		EN 1716	Construction products	Yes	2	No	
		EN 744	Construction products	Yes	2	No	
		ISO 11173	Construction products	Yes	2	No	
		ISO 13263	Construction products	Yes	2	No	
		ISO 3127	Construction products	Yes	2	No	
		SS 4241437	Construction products	Yes	2	No	
	Mechanical strength	EN 12256	Construction products	Yes	2	No	
		ISO 13264	Construction products	Yes	2	No	
	Peel decohesion test	ISO 13954	Construction products	Yes	2	No	
		ISO 13956	Construction products	Yes	2	No	

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Plastics	Ring stiffness	EN 14982	Construction products	Yes	2	No	
		EN ISO 13967	Construction products	Yes	2	No	
		EN ISO 9967	Construction products	Yes	2	No	
		EN ISO 9969	Construction products	Yes	2	No	
		ISO 13268	Construction products	Yes	2	No	
		ISO 13967	Construction products	Yes	2	No	
		ISO 9967	Construction products	Yes	2	No	
		ISO 9969	Construction products	Yes	2	No	
		SS 3519	Construction products	Yes	2	No	
	Slow crack growth	EN ISO 13479	Construction products	Yes	2	No	
		ISO 13480	Construction products	Yes	2	No	
	Softening point	EN 727	Construction products	Yes	2	No	
	Squeeze-off test	EN 12106	Construction products	Yes	2	No	
	Stress cracking	ASTM D1693	Construction products	Yes	2	No	
	Surface hardness	ASTM D2583	Construction products	Yes	2	No	
	Tensile	EN 1437	Construction products	Yes	2	No	
		ISO 13260	Construction products	Yes	2	No	
		SPF 1200	Construction products	Yes	2	No	
	Tensile strength	EN 1979	Construction products	Yes	2	No	
		EN ISO 527-1	Construction products	Yes	2	No	
		EN ISO 527-2	Construction products	Yes	2	No	
		EN ISO 527-3	Construction products	Yes	2	No	
		EN ISO 527-4	Construction products	Yes	2	No	
		EN ISO 527-5	Construction products	Yes	2	No	
		<b>ISO 13262</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
		ISO 13953	Construction products	Yes	2	No	

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Plastics	Tensile strength	ISO 3268	Construction products	Yes	2	No	
		ISO 6259-1	Construction products	Yes	2	No	
		ISO 6259-2	Construction products	Yes	2	No	
		ISO 6259-3	Construction products	Yes	2	No	
		<b>ISO 8513</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
	Vacuum	EN 14830	Construction products	Yes	2	No	
	Welding strength	DS/INF 70-5	Construction products	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>
District Heating Technology	<b>Compressive strength</b>	<b>ISO 844</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	<b>Endast procedur A</b>
	Density	ISO 845	Construction products	Yes	2	No	
	<b>Percentage of open and closed cells</b>	<b>ISO 4590</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	<b>Endast method 1</b>
Plastics	Carbon black content	ISO 6964	Construction products	Yes	2	No	
	Compressive strength	EN 12107	Construction products	Yes	2	No	
		EN 911	Construction products	Yes	2	No	
		EN 921	Construction products	Yes	2	No	
		ISO 1167	Construction products	Yes	2	No	
		ISO 1167-1	Construction products	Yes	2	No	
		ISO 1167-2	Construction products	Yes	2	No	
		ISO 4437	Construction products	Yes	2	No	
	Cross-linking	DIN 16892	Construction products	Yes	2	No	
		EN 579	Construction products	Yes	2	No	
	Degree of dispersion	ISO 11420	Construction products	Yes	2	No	
ISO 18553		Construction products	Yes	2	No		

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Plastics	Density	EN ISO 1183-1	Construction products	Yes	2	No	
		EN ISO 1183-2	Construction products	Yes	2	No	
		ISO 1183	Construction products	Yes	2	No	
		ISO 1872-1	Construction products	Yes	2	No	
		ISO 1872-2	Construction products	Yes	2	No	
		ISO 3477	Construction products	Yes	2	No	
	Density after exhaustion	EN 12295	Construction products	Yes	2	No	
		NKB 12	Construction products	Yes	2	No	
		NKB 18	Construction products	Yes	2	No	
	Determination of volatile content	EN 12099	Construction products	Yes	2	No	
	<b>Dimension</b>	<b>DS 2125</b>	<b>Construction products</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
		DS-INSTA 212	Construction products	Yes	2	No	
		EN ISO 3126	Construction products	Yes	2	No	
		NS 2950	Construction products	Yes	2	No	
		prEN 496	Construction products	Yes	2	No	
		SS 3551	Construction products	Yes	2	No	
	Effect of chemicals	ISO 9852	Construction products	Yes	2	No	
	Full notch creep test (FNCT)	EN 12814-3	Construction products	Yes	2	No	Full Notch Creep Test
	Function	NS 3065	Construction products	Yes	2	No	
	Longitudinal reversion	EN 743	Construction products	Yes	2	No	
		EN ISO 2505	Construction products	Yes	2	No	
		ISO 3478	Construction products	Yes	2	No	
	Loss on ignition	ISO 1172	Construction products	Yes	2	No	
SS 168446		Plastic materials	Yes	2	No		
Peel decohesion test	EN 12814-4	Construction products	Yes	2	No	Decohesion test	

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Plastics	Softening point	ISO 2507	Construction products	Yes	2	No	
		ISO 2507-1	Construction products	Yes	2	No	
		ISO 2507-2	Construction products	Yes	2	No	
	Viscosity	EN 922	Construction products	Yes	2	No	
		EN ISO 13299	Construction products	Yes	2	No	
	Water tightness	ISO 13254	Construction products	Yes	2	No	

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