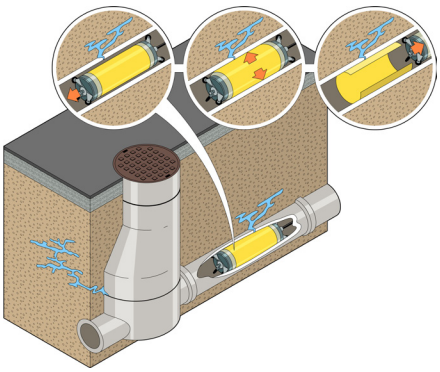
TECHNICAL
DATA SHEET

RASCOliner SL623
SHORT-LINER SYSTEM



SHORT LINER FOR DRAIN/SEWER REHABILITATION

Over a period of some 30 years, the short liner method has established itself as a standard trenchless repair technique for pipes, drains and sewers. It involves the precision-fitting of a reaction resin-impregnated glass-fibre mat around the internal diameter of the pipe, drain or sewer section to be rehabilitated. Over time, this method has undergone continuous improvement and refinement.

State-of-the-art resin formulations now considerably speed up the curing process. This optimized resin performance goes hand in hand with improved adhesion to the existing pipe walls. Overall, the combination of high-grade reaction resins and precision-fitted glass-fibre mats vouches for a more effective and durable repair of pipe, drain and sewer systems.

USE

RASCOliner SL623 is a non-foaming, elasticized 3-component resin, exhibiting good adhesion to damp surfaces, for the rehabilitation and waterproofing of drains and sewers using the short liner method.

RASCOliner SL623 is supplied in three components. The A- and B-components are the base resins while the third (AC) component serves to regulate the setting behaviour.

With RASCOliner SL623L and SL623S, pre-set two-component variants are also available, which are ready to use with factory-set reaction times. The RASCOliner SL623L is a slow-reacting version designed for warm temperatures, while the SL623S is a fast-reacting version optimized for cold winter conditions.

FEATURES

- good impregnation of glass-fibre mats or polyester nonwovens
- adheres even to damp surfaces
- non-foaming, even upon contact with water
- cures well in thin layers
- packer easy to remove
- no odour nuisance

swiss safety center ISO 14001 certified system

swiss safety center ISO 9001 certified system

CE

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TECHNICAL/PHYSICAL DATA

	A-Comp	B-Comp	AC
Supplied form	liquid	liquid	liquid
Material colour	colorless	brown	yellow-green
Container type	Canister	Canister	Canister
Container size*	20 l / 29,5 kg	20 l / 23 kg	10 l / 11,2 kg
Demsity (DIN EN ISO 2811)	1,48 kg/l (± 0,03)	1,15 kg/l (± 0,03)	1,12 kg/l (± 0,03)
Viscosity at 23 °C	330 - 430 mPas	270 - 370 mPas	23 - 33 mPas
Hazardous goods/ADR	none	none	none
pH value	12 - 13	n.a.	6,0
Flash point in °C	-	>230 °C	-

**Filling is controlled by weight balance. Volume details are indicative only and vary with temperature fluctuations.*

	Mixing (Standard)
Mixing Ratio (A : B) + AC in % of A-Comp	1 : 2 (by volume) + 5% (of component A)
Pot Life at 15 °C	20 - 22 min
Installation Time at 15 °C	28 - 34 min
Demolding Time at 15 °C	ca. 60 min
Application Range	from +5 ° C bis +30 ° C
Shelf Life / Storage	12 months, in original container at +10 °C to + 30 °C, dry

The technical specifications are based on laboratory values from external and/or internal laboratory tests. These details are for informational purposes and may vary depending on the situation. The exact production values and their tolerances (e.g., temperature fluctuations of ±2 °C) are tested and released according to the testing guidelines.

PROCESSING/PREPARATION

By precisely dosing the AC-component, the system can be adjusted to the specific requirements regarding temperature, size of the short-liner, and required processing time.

Stir Component AC before use and mix it in an appropriate amount into Component A. This mixture is then intensively stirred with twice the volume of Component B for two minutes.

GENERAL NOTES / SAFETY INSTRUCTIONS

Wear suitable protective suit, protective gloves, and safety goggles. Keep an eyewash bottle ready. For detailed information, consult the Safety Data Sheet.

DISPOSAL

For the disposal of the individual components, consult the Material Safety Data Sheet. The fully cured material can be disposed of with regular household waste in moderate quantities.

DELIVERY FORM / ADDITIVES

Art. Nro	Product	Packaging	Content
1114.1111.001	RASCOliner SL623 A-Comp	Canister	29,5 kg
1114.1121.001	RASCOliner SL623 B-Comp	Canister	23,0 kg
1114.1181.001	RASCOliner SL623 AC	Canister	11,2 kg

Other container sizes, grouting machines, equipment and accessories available on request

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REACTION DATA

Additon of AC (in % weight)	5%	4%	3%	2%	1,5%	1%	0,5%	0%
Pot Life (min)								
10 °C	20 - 25	26 - 28	30 - 34	34 - 38	38 - 42	40 - 44	45 - 50	70 - 80
15 °C	20 - 22	22 - 24	24 - 28	34 - 36	36 - 39	44 - 47	47 - 55	55 - 60
20 °C	10 - 14	14 - 17	17 - 20	22 - 24	24 - 26	28 - 32	33 - 40	40 - 45
25 °C	7 - 8	8 - 10	10 - 12	15 - 20	20 - 24	26 - 39	30 - 35	40 - 45
Installation Time (min)								
10 °C	32 - 38	36 - 42	41 - 47	46 - 51	51 - 57	51 - 57	62 - 68	82 - 88
15 °C	28 - 34	31 - 37	35 - 41	41 - 47	47 - 53	52 - 58	57 - 63	73 - 79
20 °C	21 - 27	23 - 29	27 - 33	29 - 35	33 - 39	40 - 46	50 - 56	51 - 57
25 °C	14 -20	17 - 23	21 - 27	25 - 41	29 - 35	35 - 41	44 - 50	52 - 58
Demolding Time (min)								
10 °C	60	70	70	80	90	90	120 - 240	240 - 360
15 °C	60	70	70	80	90	90	120 - 240	240 - 360
20 °C	45	50	60	70	80	90	60 - 120	240 - 360
25 °C	40	50	55	60	70	90	90	240 - 360

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