

FLS 107 Reinforced Detailing Liquid

Product Description

FLS 107 Reinforced Detailing Liquid is a thixotropic, fibre reinforced, one component, liquid applied polyurethane based waterproofing membrane.

Recommended uses include upstands up to 200mm high, flashings, gutter refurbishments, detailing of plant and awkward penetrations. FLS 107 can also be used to reinforce joints, upstands, corners and details prior to the application of Fatra liquid applied waterproofing products. Due to its unique formulation, FLS 107 cures rapidly to form a bubble free membrane with excellent mechanical properties.

FLS 107 is the primary component in the FLS-Detail range of Fatra liquid applied waterproofing products.



FLS Detail: ISO Certified solution for detail work and gutters

FLS 107 Reinforced Detailing Liquid	
Tin size	5 kg / 15 kg
Consumption	1.8 kg per m ²
Coverage rate	Approximately 2.78 m ² per 5 kg tin / 8.33 m ² per 15 kg tin (Subject to substrate condition and porosity)
Tack free time	Allow 4 to 6 hours
Recoat time	Allow 24 to 48 hours (Re-priming will be required after 48 hours)
Shelf life	Store in dry & cool place at 5°C to 25°C, for up to 12 months from production date. Once opened use as soon as possible.

Application

The sequence of works is: **Preparation ▶ Joint sealant ▶ Primer ▶ Reinforcement ▶ Waterproofing**

Ensure all surfaces are clean, dry and free from any debris, dust, dirt, loose particles, or standing water. Clean the surface using a high pressure washer, if possible.

Treat all construction joints, details and surface irregularities with FLS 108 Joint Sealant and apply the appropriate primer.

FLS 107 Reinforced Detailing Liquid should be applied with a brush at a minimum consumption rate of 1.8 kg per m².

Brush in one direction only to achieve uniform distribution of the fibre reinforcement.

Features & Benefits

- No reinforcement necessary
- Fast curing: Skin formation time of 2 hours
- Bubble and defect free membrane
- Excellent weather and UV resistance. The light grey colour reflects solar energy.
- Excellent thermal resistance, the product never turns soft. Recommended service temperature 80°C, max shock temperature 200°C
- Resistance to the cold: The membrane remains elastic even down to -40°C.
- Excellent mechanical properties, high tensile and tear strength, high abrasion resistance
- Good chemical resistance

Cleaning

Clean tools and equipment first with paper and then using FF860 Solvent Cleaner. Rollers will not be reusable.

Safety Information

FLS 107 contains solvents. Apply in well-ventilated areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Refer to MSDS for further information.

Technical specifications

In liquid form (before application):

Property	Units	Method	Specification
Viscosity (Brookfield)	cP	ASTM D2196-86 @ 25°C	3,000 - 6,000
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811 @ 20°C	1.4 - 1.5
Flash point	°C	ASTM D93, closed cup	42
Tack free time, @ 77°F (25°C) & 55% RH	hours	-	4 to 6
Recoat time	hours	-	24 to 48

In cured form (after application):

Property	Units	Method	Specification
Service temperature	°C	-	-40 to 80
Max. temperature short time (shock)	°C	-	200
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	70
Tensile strength at break @ 23°C	Kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	80 (8,5)
Percent elongation @ 23°C	%	ASTM D412 / EN-ISO-527-3	> 200
QUV Accelerated Weathering Test (4hr UV, @ 60°C (UVB Lamps) & 4hr COND @ 50°C)	-	ASTM G53	Passed (2,000 hours)