FLS 112 Clear Sealcoat

Product Description

FLS 112 Clear Sealcoat is a one component, transparent, glossy, aliphatic, elastic polyurethane liquid membrane intended for use as a top coat for FLS 104 / 106 Liquid Waterproofing.

FLS 112 can be used to incorporate a non-slip finish or walkway (when used with a suitable aggregate) into Fatra liquid applied waterproofing, or to introduce a pigment for a non-standard colour finish.

FLS 112 cures with the humidity in the atmosphere to produce a transparent membrane, of increased elasticity, with strong adhesion over the entire surface and with excellent mechanical, chemical, thermal, UV and natural element resistance properties.

FLS 112 Clear Sealcoat	
Tin size	4 litres
Consumption	100 g per m^2
Coverage rate	Approximately 10 m^2 based on 2 coats @ 200 g per m^2
Tack free time	6 to 8 hours
Curing time	Allow 24 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 of FLS 112 Clear Sealcoat

Non-slip finish or walkway:

If required, the Fatra liquid applied waterproofing system can be finished with a slip-resistant walkway by using a suitable aggregate in conjunction with an additional clear liquid coating. A variety of colours and finishes are available. Please consult the Fatra Technical Office for more information.

Once the FLS 104 / 106 Liquid Waterproofing has cured for 72 hours, apply a coat of FLS 112 Clear Sealcoat at a rate of 200 grams per m^2 (depending on the size of the aggregate). If a walkway is required, mask off the required areas.

Broadcast the aggregate into the coat of FLS 112 and allow to dry for 24 hours. Typically a 0.7mm to 1.2mm quartz aggregate will be used, at a rate of approximately 1.0 kg per m^2. Brush or vacuum the excess aggregate from the surface and apply a further coat of FLS 112 Clear Sealcoat at a rate of 200 grams per m^2 (depending on the size of the aggregate).

Under BS 7976-2:2002+A1:2013's Pendulum Test assessment of slip resistance, FLS 106 Liquid Waterproofing combined with a quartz or granite aggregate achieved an overall classification of Low Slip Potential. Full test documentation is available upon request from Fatra UK Ltd.

Application of FLS 112 Clear Sealcoat

Non-standard colour finish:

Fatra liquid applied waterproofing is supplied in a standard finish of light grey (RAL 7040). If an alternative colour is required, the system can be finished with a pigmented sealcoat. Consult Fatra UK Ltd for advice on a suitable pigment.

Shake the pigment container and apply the pigment directly to the FLS 112 Clear Sealcoat at a rate of approximately 5%*. For example, use 1 litre of pigment for every 20 litres of FLS 112. Stir the pigment into the sealcoat and apply the resulting mixture at a rate of 400 grams per m^2.

**Mix a maximum of 10% pigment into the sealcoat.*

Technical specifications

In liquid form (before application):

Property	Units	Method	Specification
Viscosity (Brookfield)	cP	ASTM D2196-86 @ 25ºC	400 - 600
Specific weight	gr/cm^3	ASTM D1475 / DIN 53217 / ISO 2811 @ 20ºC	1.2
Tack free time, @ 77°F (25°C) & 55% RH	hours	-	6 to 8
Recoat time	hours	-	24

In cured form (after application):

Property	Units	Method	Specification
Service temperature	°C	-	-40 to 90
Max. temperature short time (shock)	°C	-	200
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	40
Tensile strength at break @ 23°C	Kg/cm^2 (N/mm^2)	ASTM D412 / EN-ISO-527-3	400 (40)
Percent elongation @ 23°C	%	ASTM D412 / EN-ISO-527-3	> 300
Water vapour transmission	gr/m2.hr	ASTM E96 (Water Method)	0.8
Tensile set (after 300% elongation)	%	ASTM D412	< 3%
QUV Accelerated Weathering Test (4hr UV, @ 60 ^{0}C (UVB Lamps) & 4hr COND @ 50°C)	-	ASTM G53	Passed
Hydrolysis (Potassium Hydroxide 8%, 10 days @ 50°C)	-	-	No elastomeric property change
Hydrolysis (Sodium Hypochlorite 5%, 10 days)	-	-	No elastomeric property change
Water absorption	-	-	> 1.4 %