

ALSAN 973 F

Description

ALSAN 973 F is a high-performance, durable, white pigmented, reflective finishing layer for the Alsan PMMA ReflectRoof system.

ALSAN 973 F has a Solar Reflectance Index (SRI) of 109.

Material

2-component, fast-curing, white pigmented PMMA based (polymethyl methacrylate) coating.

Properties

- reflective white
- abrasion-resistant
- permanently weather-resistant (UV resistant)
- easy and fast application
- fast-curing
- solvent-free

Application

ALSAN 973 F is used as a finishing layer for the ALSAN ReflectRoof system.

Packaging

Can of 10 kg

ALSAN 973 F is supplied without ALSAN 070 catalyst.

Colours

ALSAN 973 F is reflective white

Storage

Store in original sealed packaging in a cool, dry and frost-free place. Avoid warm storage areas (> 30 °C) even for brief periods, for example on site. Consequently, the products must not be exposed to direct sunlight or kept in a vehicle. Unopened products have a shelf life of at least 12 months. After opening, reseal the packaging so it is completely airtight.

SOPREMA UK Limited and **SOPREMA Limited** reserve the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

Product application

Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range in °C		
	Air	Substrate *	Resins
ALSAN 973 F	-5 to +35	-5 to +50*	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

Moisture

The relative humidity must be $\leq 90\%$.

The surface to be coated must be dry.

The surface must be protected from moisture until the coating has hardened.

Reaction times & required amounts of catalyst

	ALSAN 973 F winter at 0 °C, 4 % catalyst	ALSAN 973 F summer at 20 °C, 2 % catalyst
Pot life	approx. 20 min.	approx. 15 min.
Rain proof after	approx. 45 min.	approx. 30 min.
Can be walked on / over coated after	approx. 90 min.	approx. 1 h.
Curing time	approx. 6 h.	approx. 3 h.

Higher temperatures will reduce reaction times, while lower temperatures will increase reaction times.

The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

Version	ALSAN 973 F winter		ALSAN 973 F summer	
	-5 to +10 °C	+10 to +15 °C	+3 to +15 °C	+15 to +35 °C
Amount of catalyst	4 %	2 %	4 %	2 %

Consumption

Substrate

Smooth membranes

Membranes with mineral finishing

Consumption

0,6 kg/m²

0,8 – 1,0 kg/m²

Technical data

Density: 1,27 g/cm³

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Application conditions

Application equipment / tools

Mixing of the product:

- suitable mixer (ex. paint mixer)

Applying of the product:

- sheepskin roller

Substrate preparation

The **ALSAN 973 F** can be applied to the ALSAN 178 Primer. Before application the ALSAN 178 primer needs to be cured.

Mixing

First stir the tub contents thoroughly. Then add the catalyst whilst stirring at a low speed for 2 minutes. Make sure that all material on the side and base of the pot is mixed in. At temperatures below 10 °C the product should be stirred for 4 minutes as the catalyst will take longer to dissolve.

Application

Use the sheepskin roller to apply an even layer of resin.

Avoid fluctuating layer thicknesses.

Cleaning

When work is interrupted or completed, clean the tools thoroughly with ALSAN 076 cleaning agent within the pot life of the material (approx. 15 minutes). This can be done with a brush. Do not use the tools again until the cleaning agent has fully evaporated.

Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

Special indications

Hygiene, health and Environment

For more information, please refer to the relevant safety data sheet.

Quality and Environment Management

SOPREMA has always attached the highest importance to the quality of the products and the environment.

For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.



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General information

The above information, in particular the product application information, is based on extensive development and many years of experience. It's provided to the best of our knowledge. However, the wide range of requirements and conditions on site means that it may be necessary for the product to be tested under those conditions to ensure that it is suitable for the intended purpose. For further information and questions, contact **SOPREMA**.

Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology and improvements to our products.



Marnix DERKS
Technical Director

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