

ALSAN 971 F

TECHNICAL DATA SHEET APTDS-E-74-01

DESCRIPTION

ALSAN 971 F is used as a wearing layer for ALSAN PMMA systems. Offering excellent abrasion-resistance and non-skid properties, this product was developed specifically as heavy-duty surfacing.

It can also be applied to asphalt substrates without the use of a primer.

The coating can be of any colour and can be used to create patterns or markings.

MATERIAL

2-component, fast-curing, flexible, pigmented and filled PMMA based (polymethyl methacrylate) coating.

PROPERTIES

- Maximum anti-skid properties
- Variable roughness
- Maximum abrasion resistance
- Permanently weather-resistant (UV, hydrolysis and alkali resistant)
- Any RAL colour possible
- Pattern and colour design possible (markings, patterns...)
- Easy and fast application
- Fast-curing
- Solvent-free

APPLICATION

ALSAN 971 F is a coating with structure used as wearing layer on ALSAN PMMA systems. It is particularly suitable for areas subject to normal-duty or normal-frequency traffic, such as foot- and cycle paths, footbridges, terraces, parking areas, driveways, garages, ascending and descending ramps, etc.

PACKAGING

Can of 15 kg

ALSAN 971 F is supplied without ALSAN 070 catalyst.

COLOURS

ALSAN 971 F is on demand available in most RAL colours.

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.

PRODUCT APPLICATION

Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range in °C		
	Air	Substrate*	Resins
ALSAN 971 F	-5 to +35	-5 to +40*	+3 to +30

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

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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 971 F(at 20 °C, 2% catalyst)
Pot life	approx. 10 min.
Rain proof after	approx. 30 min.
Can be walked on / over coated after	approx. 45 min.
Curing time	approx. 2 h.

Higher temperatures or greater proportions of catalyst will reduce reaction times, while lower temperatures and smaller proportions of catalyst will increase reaction times.

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

Substrate temperature in °C, required amount of catalyst in % (reference values)												
-10	-5	+3	5	10	15	20	25	30	35	40	45	50
-	-	4%	4%	4%	3%	3%	2%	2%	1%	1%	-	-

CONSUMPTION

0.6 – 2.5 kg/m²

TECHNICAL DATA

Density: $\pm 1.8 \text{ g/cm}^3$ (it will vary with the colour)

APPLICATION CONDITIONS

Application equipment / tools

Mixing of the product:

- Suitable mixer (ex. paint mixer)

Applying of the product:

- Aluminium blade approx. 60 cm
- Smoothing trowel
- Finishing roller (sheepskin roller)

Substrate preparation

ALSAN 971 F can be applied either to an ALSAN Primer or to the ALSAN 870 RS self-levelling mortar.

Before the application of the ALSAN 971 F, the layer underneath has to be hardened and prepared (excess of sand removed). Primer is not required on asphalt surfaces.



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TECHNICAL DATA SHEET APTDS-E-74-01

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. Ideally the coating should be repotted when stirring. At temperatures below 10 °C the product should be stirred for 4 minutes as the catalyst will take longer to dissolve.

Application

Use the aluminium blade or smoothing trowel to spread the material evenly and smooth it over, using the particle size as a guide to layer thickness. The advantage of using the aluminium blade is that normal trowel marks are smoothed to give a more even appearance. To achieve the desired texture, go over the area with a sheepskin roller.

CLEANING

When work is interrupted or completed, clean the tools thoroughly with ALSAN cleaning agent within the pot life of the material (approx. 10 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.

SAFETY INFORMATION & RISKS

Please refer to the safety data sheet for the relevant product.

QUALITY

SOPREMA has always attached the highest importance to Quality Control. For this reason, we operate an independently monitored Quality Assurance System in line with **EN ISO 9001:2008** and **EN ISO 14001:2004**.



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.