

ALSAN 173

TECHNICAL DATA SHEET APTDS-E-81-01

DESCRIPTION

ALSAN 173 is a colourless and moisture curing primer mainly used on TPO membranes in combination with ALSAN 770 (TX).

MATERIAL

1-component primer based on polyurethane and solvents.

PROPERTIES

- easy to apply
- low consumption

APPLICATION

ALSAN 173 is used for pre-treatment (primer and barrier) of TPO membranes in preparation for the later application of ALSAN 770 (TX). ALSAN 173 can also be used to obtain adhesion with membranes such as EPDM (testing is recommended).

PACKAGING

Can of 1,0 kg.

COLOURS

ALSAN 173 is unpigmented.

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 6 months. After opening, reseal the packaging so it is completely airtight. Opened packaging has a very short shelf life.

PRODUCT APPLICATION

Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range in °C		
	Air	Substrate*	Resins
ALSAN 173	+5 to +35	+5 to +50*	+5 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 ≤ 90 %.

The surface of the substrate to be treated must be dry.

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

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REACTION TIMES

Temperature (°C)	Curing time
30	± 30 minutes
20	± 1 hour
10	2 - 4 hour
5	3 - 6 hour

Except for the temperature, also the air humidity will affect the curing time: high air humidity will shorten the curing time; low humidity will extend the curing time.

CONSUMPTION

Depending on the substrate, the consumption rate will be between 0,03 and 0,05 kg/m²

TECHNICAL DATA

Density: 0,91 g/cm³

APPLICATION CONDITIONS

Application equipment / tools

- short haired roller (type mohair)
- brush (only for areas not accessible with the roller)

Substrate preparation

ALSAN 173 must only be applied to a clean, dry and prepared substrate free from dust and grease. Please refer to the appropriate application guide for information about correct surface preparation.

Mixing

Stir the contents thoroughly before use.

Application

Transfer the required amount into another pot and apply immediately in a thin and even layer. Avoid excessive use (puddle formation, ...) since this may cause the primer to foam.

Preparation for subsequent layers and over coating time

Before the application of a subsequent layer the solvents must be completely evaporated. The primer should over coated within 24 hours with a product from the Alsan PMMA range.

Remark

The adherence with Alsan PMMA will increase over the course of time, causing it may take up to 7 days before the desired final strength is obtained.



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CLEANING

When work is interrupted or completed, clean the tools thoroughly with ALSAN 076 cleaning agent within the pot life of the material. 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**.



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.