

# ALSAN 103

## Description

**ALSAN 103** 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 103** is used for pre-treatment (primer and barrier) of TPO membranes in preparation for the later application of ALSAN 770 (TX).

**ALSAN 103** can also be used to obtain adhesion with membranes such as EPDM (testing is recommended).

## Packaging

Can of 1,0 kg.

## 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.

**SOPREMA** reserves 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 *	Product
<b>ALSAN 103</b>	+5 to +35	+5 to +50*	+5 to +30

\* The substrate temperature must be at least 5 °C above the dew point during application and curing.

### Moisture

The relative humidity must be  $\leq 85\%$ .

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

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

## Reaction times

Temperature (°C)	Curing time*
30	$\pm 30$ minutes
20	$\pm 1$ 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 0,100 and 0,150 kg/m<sup>2</sup>

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## Application conditions

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### Application equipment / tools

- short haired roller (type mohair)
- brush

### Substrate preparation

**ALSAN 103** must only be applied to a clean, dry and roughened 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 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 several days before the desired final strength is obtained.

## Cleaning

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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

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### 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**.



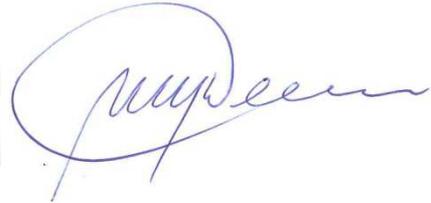
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## General information

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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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