

# ALSAN 175

TECHNICAL DATA SHEET APTDS-E-84-01

## DESCRIPTION

**ALSAN 175** is a polyurethane based, fast-curing, colourless and moisture-curing base coat used on glass substrates in preparation for the later application of Alsan PMMA resins.

## MATERIAL

Single component, fast-curing base coat based on polyurethane and solvents.

## PROPERTIES

- easy to apply
- fast-curing
- low viscosity
- low consumption

## APPLICATION

**ALSAN 175** is used as a pre-treatment (primer and barrier) of both smooth and roughened glass substrates. **ALSAN 175** is also suitable for safety glass. The carefully chosen solvents have a minimal impact on bitumen.

## PACKAGING

Metal can of 1 kg.

## COLOURS

**ALSAN 175** is unpigmented.

## STORAGE

Store in original sealed packaging in a cool, dry and frost-free place at a temperature between 15 and 25 °C. Avoid exposure to direct sunlight and lower temperatures. 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 temperature should be between 15 and 25 °C during application. The temperature of the support should be minimum 5 °C and at least 3 °C above dew point during application and curing (±6 h).

### Moisture

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

Please refer to the appropriate application guide for information about correct surface preparation.

## REACTION TIMES

Depending on the temperature, also the air humidity will affect the curing time: high air humidity will reduce the reaction time; low air humidity will increase the reaction time.

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## CONSUMPTION

Depending on the surface roughness of the substrate the consumption is between 0,05 and 0,10 kg/m<sup>2</sup>. For very rough surfaces, the consumption may be higher.

## TECHNICAL DATA

Density: 1,50 g/cm<sup>3</sup>

## APPLICATION CONDITIONS

### Application equipment / tools

- sheepskin roller
- brush (only for areas not accessible with the roller)

### Substrate preparation

**ALSAN 175** must only be applied to a dry, clean, stable and prepared substrate free from dust and grease.

Glass surfaces don't need roughening.

Please refer to the appropriate application guide for information about correct surface preparation.

### Application

Transfer the required amount into another pot and immediately apply in a thin and even film.

Avoid excessive use (puddle formation or such like) since this may result in foaming.

### Preparation for subsequent layers and over coating time

Before application of a subsequent layer all solvents need to be evaporated.

Depending on the environmental conditions (curing speed) the primer needs to be finished within 24 - 36 hours with a product from the Alsan PMMA range.

After exceeding this period, the substrate needs to be sanded, without damaging the glass, and retreated.

## CLEANING

When work is interrupted or completed, clean the tools thoroughly with ALSAN 076 cleaning agent before the Alsan 175 cures (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.

## SAFETY INFORMATION & RISKS

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



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## 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** 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.

