

# ALSAN 174

TECHNICAL DATA SHEET APTDS-E-82-01

## DESCRIPTION

**ALSAN 174** is a primer mainly used on substrates made out of metal in combination with ALSAN 770 (TX) or ALSAN 870 RS (TX 10 / TX 20).

## MATERIAL

1-component primer based on acrylate and solvents.

## PROPERTIES

- easy to apply
- ensures a very good adhesion between the metal and the Alsan PMMA resin
- low consumption

## APPLICATION

**ALSAN 174** is used for pre-treatment (primer and barrier) of substrates made out of metal in preparation for the later application of ALSAN 770 (TX) or ALSAN 870 RS (TX 10 / TX 20). It is not compatible with other products from the Alsan PMMA range.

## PACKAGING

Can of 1,0 kg.

## COLOURS

**ALSAN 174** is grey

## 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.

## PRODUCT APPLICATION

### Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range in °C		
	Air	Substrate*	Resins
ALSAN 174	+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	min. 1 hour
20	min. 2 hour
10	min. 3 hour
5	min. 4 hour

## CONSUMPTION

Depending on the substrate, the consumption rate will be between 0,17 and 0,20 kg/m<sup>2</sup>

## TECHNICAL DATA

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

## APPLICATION CONDITIONS

### Application equipment / tools

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

### Substrate preparation

**ALSAN 174** must only be applied to a clean, dry and prepared substrate free from dust and grease. The primer is to be applied on a with ALSAN 076 cleaner degreased and bare sanded metal (st2). Use a lint-free cloth for the cleaning. 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, more in particular in the corners, excessive use (puddle formation, ...) of the primer.

### 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.

## 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.



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## 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.