

## ALSAN 072 RS

### Description

**ALSAN 072 RS** is a PMMA based, fast-curing repair mortar used for filling and smoothing over faults and cavities in the substrate. Its properties also make it ideal for use on roads.

### Material

3-component, PMMA based (polymethyl methacrylate) repair and levelling mortar with a formulated, activated filler mix.

### Properties

- easy to apply
- can be applied at temperatures near to the freezing point
- fast-curing
- thermoplastic behaviour
- stable under pressure
- resistant to abrasion
- watertight (subject to correct intermediate compression)
- resistant to frost and de-icing salts
- largely resistant to acids, alkali solutions and diesel
- UV, hydrolysis and alkali resistant
- solvent-free

### Application

**ALSAN 072 RS** mortar is a repair and levelling mortar, it can also be used to even out gradients on cement and bituminous substrates. Consequently, it can be used as a reprofiling mortar under ALSAN PMMA resins, as a replacement for mastic asphalt or asphalt concrete, as a base mortar for installing manhole frames, for pressure distribution when the surfacing material is compressed, for forming lane grooves and for use as fixing mortar.

### Packaging

2 kg      **ALSAN 072 R** (resin)  
18 kg     **ALSAN 072 S** (mineral filler)  
20 kg

The kit is supplied without ALSAN 070 catalyst.

### 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 072 RS</b>	0 to +35	+3 to +50*	+3 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  $\leq 90\%$ .

The surface to be coated must be dry.

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

Substrates, e.g. newly poured concrete, containing residual moisture can be coated provided it has set sufficiently and the substrate is properly prepared.

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

## Reaction times & required amounts of catalyst

	<b>ALSAN 072 RS</b> (20 °C, 2 % catalyst)
Pot life	$\pm 20$ minutes
Rain proof after	$\pm 30$ minutes
Can be walked on / over coated after	$\pm 1$ hour
Curing time	$\pm 3$ hour

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
-	-	6	6	4	4	2	2	2	-	-	-	-

## Consumption

2,2 kg/m<sup>2</sup> per mm layer thickness

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## Application conditions

### Application equipment / tools

Mixing of the product:

- suitable mixer (ex. paint mixer)

Applying of the product:

- smoothing trowel

### Substrate preparation

**ALSAN 072 RS** is applied to the hardened ALSAN PMMA Primer.

Refer to the appropriate application guidelines.

### Mixing

Mix the resin component and add all of it to the mineral filler. Stir well for 3 minutes. There must be no lumps or nodules and all the material on the base and walls of the pot must be incorporated. To ensure this is done, it's helpful to repot the material once during the mixing process.

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

### Application

Apply the mortar to the treated surface, compress and finish immediately with a smoothing trowel. The mortar can be applied in layer thicknesses of up to 50 mm in a single operation.

Note: make sure that the mortar is worked well and compressed in the corners.

### Preparation for subsequent layers

None required.

## Cleaning

When work is interrupted or completed, clean the tools thoroughly with ALSAN 076 cleaning agent within the pot life of the material ( $\pm$  20 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.

## 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**.




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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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