

ALSAN 072 RS

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

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

Properties

- Easy to apply
- Can be applied at sub zero temperatures
- 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

1.00 kg **ALSAN 072 R** (resin)
9.00 kg **ALSAN 072 S** (mineral filler)
10.00 kg

3.34 kg **ALSAN 072 R** (resin)
30.00 kg **ALSAN 072 S** (mineral filler)
33.34 kg

The kits of 10 and 33.34 kg are supplied without ALSAN 070 catalyst.

Colours

ALSAN 072 RS is asphalt black.

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 12 months. After opening, reseal the packaging so they are completely airtight.

Product application

Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range in °C		
	Air	Substrate *	Resins
ALSAN 072 RS	-5 to +35	-5 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 ≤ 90 %.

The surface to be coated must be dry.

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

Substrates, e.g. young 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

	ALSAN 072 RS (at 20 °C, 3% catalyst)
Pot life	approx. 10 min.
Rain proof after	approx. 30 min.
Can be walked on / over coated after	approx. 1 h.
Curing time	approx. 3 h.

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
-	-	4%	4%	4%	2%	2%	2%	2%	2%	1%	1%	1%

Consumption

2 kg/m²/mm

SOPREMA UK Limited 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.

Technical data

ALSAN 072 RS	2.19 g/cm ³
(ALSAN 072 R (resin))	0.99 g/cm ³
(ALSAN 072 S (mineral filler))	2.61 g/cm ³

Application conditions

Application equipment / tools

Mixing of the product:

- Suitable mixer (ex. paint mixer)

Applying of the product:

- Smoothing trowel

Substrate preparation

The mortar is applied to the hardened ALSAN PMMA Primers. See technical guidelines of the primer.

Mixing

Shake the resin component and add all of it to the sand mixture. 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

Pour the mortar onto the primed 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.

Please 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 cleaning agent within the pot life of the material (approx. 10 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.

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 9001:2008** and **EN ISO 14001:2004**.



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.



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