

Product description:

ALSAN 870 RS is a 3-component, semi-flexible, self-leveling mortar based on PMMA resin, with filler.


Application areas

The semi-flexible and self-leveling mortar is both used for leveling and finishing from ALSAN PMMA systems. It is among others used as a protection and sanded layer for balconies and car parks.

Properties

- Solvent-free
- Crack-bridging (tension cracks)
- Very good self leveling properties
- Application in several layers possible
- UV-, hydrolysis- and alkali-resistant
- Very good dynamic load distribution

Conditions for application

Substrate and ambient temperature: min. 0 °C up to max. +35 °C.

Air humidity: max. 90 %.

The substrate temperature must be at least 3 °C above the dew point during application and curing.

Adequate ventilation must be installed in enclosed spaces.

Implementation
Substrate preparation:

Depending the requirements or the system, ALSAN 870 RS can be applied directly to an ALSAN PMMA primer or waterproofing layer.

The substrate must be prepared to ensure it is sound, dry and free from adhesion-reducing residue.¹

Mixing: ALSAN 870 RS consists of ALSAN 870 R resin (10 kg bucket) and ALSAN 870 S filler (23 kg bag). Due to the high proportion of filler, correct and thorough mixing is essential. Stir the resin component thoroughly and transfer into a clean mixing tub. Subsequently the filler is added while stirring and stir until a homogeneous mixture is obtained. The mixture obtained can be fractionated. Add the corresponding quantity of catalyst for the amount of resin being used and mix at slow-speed for at least 2 minutes until a homogeneous consistency is achieved.

Application: The product is applied with a toothed- or a smoothing trowel. The product can be applied in several layers with a maximum thickness of 5 mm each. The layers can be sanded individually if required for aesthetic purpose. Depending the finishing requirements and the destination, the wet product can be topped with dry quartz sand.

Cleaning: When work is interrupted or completed, clean the tools thoroughly with ALSAN System cleaning agent, within the pot life of the material.

Consumption

Smooth and even surfaces: min. 4,0 kg/m² for 2 mm layer thickness

Required amounts of catalyst

Table for 10 kg ALSAN 870 R

Stir for at least 2 minutes.

Temperature [°C]	Catalyst [g]	Catalyst [%]
0	600	6,0
5	600	6,0
10	400	4,0
15	200	2,0
20	200	2,0
25	200	2,0
35	150	1,5

Reaction times (23 °C)

Pot life: ± 15 minutes

Rainproof: ± 30 minutes

Overlayable: ± 60 minutes

Loadable: ± 180 minutes

Technical characteristics

Density: 1,76 g/cm³

Sd value: 50 m

Abrasion resistance acc. to Taber: < 3000 mg

System components

ALSAN CAT

¹ See "Installation guidelines: Surface preparation".

Packing

Combi pack 33 kg:

- ALSAN 870 R (resin component) 10 kg bucket
- ALSAN 870 S (filler component) 23 kg bag

Colour

RAL 7035

Storage, transport & shelf life

In its original unopened package stored in a cool, dry and frost-free place, the unmixed product has a minimum shelf life of 12 months.

Avoid, also on site, exposure of the containers to direct sunlight.

Opened packaging has a shortened shelf life and may gel prematurely. The product must not be applied once it has started to gel.

Safety information and risks

Refer to the relevant safety data sheet for more information.

Pay attention to the personal protective equipment.

GIS Code: RMA 10

Elimination

Fully cured material can be disposed of as construction waste.

Packagings and uncured material must be disposed of as hazardous waste.

Completely empty packagings can be recycled.

Manufacturer/company

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General information

The information in this document is applicable to the corresponding product, provided by Soprema.

Please note that this may vary from country to country.

The above information, in particular the product application information, is based under normal circumstances and is provided to the best of our knowledge.

The wide variety of requirements and conditions on site requires that the product must be tested by the user under the specific conditions to ensure that it is suitable for the intended use.

We reserve the right to make changes that reflect the technological progress and improvements to our products.