

ALSAN RS Thick-Layer System GM under other surfaces (tiles, slabs or similar)

Areas of application

The ALSAN RS Thick-Layer System GM is used as a low-odour and crack-bridging coating on interior and exterior surfaces where high levels of mechanical and weather resistance are required, e.g. on parking decks, walkways or in public areas.

Important - please note:

On account of the special conditions associated with interior applications, always contact the manufacturer in advance.

Application conditions

The product can be applied at substrate and ambient temperatures between + 3 ° min. and + 35 ° max.

In enclosed spaces the air must be replaced at least 7 times by forced ventilation.

Substrate pre-treatment

The substrate must be sound, dry and free from loose or adhesion-reducing particles. Before applying the product directly onto non-absorbent substrates (e.g. plastics sections, metals etc.), we recommend rubbing down the surfaces with abrasive paper and then cleaning them with ALSAN RS Cleaning Agent to provide a better key (remember to allow time for the cleaning agent to evaporate).

Substrate adhesion should always be tested on site.

Primer

The following must be coated with a primer:

Absorbent substrates (e.g. concrete, screed or wood), highly absorbent and synthetic-resin modified substrates with ALSAN EPR, followed by a sand topping (0.2 – 0.6 mm) to cover the whole area

(See also table of substrates.)

Application instructions

Primer

- a) Using a lambswool roller, apply an even film Using a lambswool roller, apply an even film of ALSAN EPR to the prepared surface.
Avoid the formation of puddles.
While the primer is still wet, sprinkle with a generous amount of quartz sand (0.2 – 0.6 mm) and vacuum off the excess once the primer has fully cured.
Interval: approx. 3 hours

Levelling

ALSAN RS Surfer, ALSAN RS 233 Self-Levelling Mortar or ALSAN RS 242 Mortar can be used to level out any rough areas and differences in height as well as broken and removed tiles or negative gradients. Please refer to the application guidelines for ALSAN RS Levelling for further information.

- Wear layer with/without topping

Once the primer has cured, use a stainless steel trowel or float to distribute ALSAN RS 263 Self-Levelling Mortar GM evenly (approx. 4.00 kg/m²). If required, top immediately with an excess amount of quartz sand or similar material (grain size \geq 0.2 – 0.6 mm).
Interval: approx. 1hour

Joints

If existing working joints or expansion joints are to be waterproofed, then a sealing strip must be applied using ALSAN RS 260 Resin GM with a ALSAN RS Fleece Strip embedded in it. Strips of different widths are used in keeping with the expected amount of movement. The subsequent coating of self-levelling mortar must not be applied to the expansion area if the joint movements are greater than 0.5 mm.
See also the relevant detail drawings.

APPLICATION GUIDELINES

Consumption

- Primer

ALSAN EPR approx. 0.30 kg/m²
 Quartz sand 0.2 – 0.6 mm approx. 2.00 kg/m²

- Wearing layer

ALSAN RS 263 Self-Levelling Mortar GM approx. 4.00 kg/m²
 Quartz sand ≥ 0.2 – 0.6 mm approx. 4.00 kg/m²

Cleaning the tools

The tools must be cleaned thoroughly within the pot life of the product when work is completed or interrupted. The curing process is not halted if the tools are merely immersed in cleaning agent. Tools which have been recently cleaned cannot be used again until the cleaning agent has evaporated fully.

Information on risks and safety

See product safety data sheets.

The advice we provide on the application of our products is based on extensive development work as well as many years of experience and is given to the best of our knowledge. However, the wide variety of requirements for a building under the most diverse conditions mean that it is necessary for the contractor to test the product for its suitability in any given case.

We reserve the right to make changes in keeping with technical developments or improvements to our products

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Reaction time (approx. values at 20°C)

	potlife	rainproof	accessible	fully cured
ALSAN EPR	15 min.	2 h.	2 h.	3 jours
ALSAN RS 260 GM	15 min.	30 min.	1 h.	3 h.

APPLICATION GUIDELINES