

Product Data Sheet
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SikaBond®- Rapid DPM

SikaBond®d Radd DPM

Solvent Free Reaction Curing Resin Primer and Damp Proof Membrane for Cement Based Substrates

Product Description

SikaBond®- Rapid DPM is a single part moisture curing reaction polyurethane.

Uses

For Priming, Consolidating and Sealing of:

- Absorbent and Non-absorbent sub-floors, consolidating weak cement screed and isolation of old adhesive residues.
- Can be used as a Damp Proof Membrane on sub-floors not under hydrostatic pressure.
- Can be used over underfloor heating. (Max 3% moisture CM Method, 4.5% Tramex).

Characteristics / Advantages

- 1-part, ready to use.
- Rapid drying (approx 45 minutes at 50% Rh & 20°C).
- Compatible with all SikaBond® wood floor adhesives.
- Especially suited to refurbishment projects where old adhesive residues are present.
- Suitable for underfloor heating.
- Applied by roller or squeegee.

Product Data

Form

Density 1.16g/cm³

Colour Brown

Flash Point Closed cup >130°C, Open cup >150°C

Packaging 5 Ltr Plastic bottle

Storage

Storage Conditions / Shelf Life Approximately 12 months from date of production if stored in tightly closed undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.

Construction



Technical Data

Chemical Base	1-part reaction cure synthetic Resin
Density	~ 1.16 kg/l
Skinning- / Laying Time	~ 10 - 20 minutes (+20°C / 50% r.h.)
Curing Rate	Approximately 45 minutes at 20°C & 50% Rh
Sag Flow	Consistency: Spreads easily when applied using brush, squeegee or short/medium pile roller
Service Temperature	Up to + 35°C

System Information

Application Details

Consumption	As a surface conditioner/primer: Apply 1 coat at a minimum consumption of 100 – 200 grams/m ² (85-170 ml/m ²) As an isolator for old adhesive residues: Apply 1 coat at a minimum consumption of 100 – 200 grams/m ² (85-170 ml/m ²) As a Damp Proof Membrane: (tested in accordance with ASTM E 96) Apply 2 – 3 coats at 100 – 250 grams/m ² (85-215 ml/m ²). Allow each coat to fully cure. Total consumption should be no less than 400 grams/m ² (340 ml/m ²).
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Substrate Quality	Clean, homogeneous, even, free from grease, dust and loose particles. Paint, cement laitance and other poorly adhering particles must be removed. Maximum moisture content must not exceed 4% CM method (6% Tramex) 3% CM (4.5% Tramex) in the case of underfloor heating. Standard construction rules must be observed.
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Substrate Preparation	Concrete / cement screed: Must be clean, contaminant free and thoroughly cleaned with industrial vacuum cleaner. Anhydrite screed / Anhydrite flowable screed: Must be ground and thoroughly cleaned with industrial vacuum. Unknown substrates: Tests are recommended for compatibility and adhesion.
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Application Conditions / Limitations

Substrate Temperature During laying and until SikaBond®- Rapid DPM has fully cured substrate temperature must be at least + 10°C and in the case of underfloor heating < + 20°C.
For Substrate temperatures the standard construction rules are relevant

Ambient Temperature Room temperature above +10°C. Relative air humidity < 75%.
For ambient temperatures the standard construction rules are relevant.

Substrate Moisture Content Maximum substrate moisture content :

- 4% CM for cement screed (ca. 6% Tramex / Gravimetric weight percent)
- 0.5% CM for anhydrite screed
- 3 - 12% CM for magnesia flooring (proportion of organic parts)

Maximum substrate moisture content in case of underfloor heating:

- 3% CM for cement screed (ca. 4.5% Tramex / Gravimetric weight percent)
- 0.3% CM for anhydrite screed
- 3 - 12% CM for magnesia flooring (proportion of organic parts)

For moisture content and quality of substrates the guidelines of the wood floor manufacturer as well as standard construction rules must be observed.

Please Note: Most wood floor manufacturers state a maximum substrate moisture content of 2% CM (ca.2.5% Tramex).

Relative Air Humidity Between 40% and 75%

Application Instructions

When applying more than one coat of SikaBond® Rapid DPM, the 2nd coat should be applied 90° to the 1st. Ensure that a continuous uniform coat is achieved using a medium pile roller, brush or rubber squeegee. When used as a damp proof membrane the finished surface must provide a continuous defect free layer with a 'shiny' appearance. When using multiple coats, allow each coat to fully dry between applications.

Application Method	Application	Required Coats
	Damp Proof Membrane	Minimum 2 x
	Substrate consolidator	Minimum 1 x
	Isolate old adhesive residues	Minimum 1 x
	Damp proof membrane + Consolidator	Minimum 3 x

Cleaning of Tools Clean all tools and application equipment with Thinner C immediately after use. Hardened / cured material can only be mechanically removed.

Notes on Application / Limitations	<p>SikaBond® - Rapid DPM is only to be used in well ventilated areas.</p> <p>In areas such as basements, or other areas without a functional damp proof membrane preventing hydrostatic water vapour pressure, SikaBond® Rapid DPM must only be installed after the application of Sikafloor® 81 EpoCem. For detailed instructions consult the Product Data Sheets or contact our Technical Department.</p> <p>Do not use in conjunction with any other materials other than those recommended by Sika Limited.</p> <p>Some concrete surface sealers can negatively influence the adhesion of SikaBond® - Rapid DPM. Pre-application trials are recommended. For further information or assistance please contact Sika Technical Department.</p> <p>Installation on magnesite or on isolating bituminous layers is not recommended.</p> <p>Ensure adequate air ventilation during application and curing.</p>
Value Base	<p>All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.</p>
Local Restrictions	<p>Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.</p>
Health and Safety Information	<p>For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.</p>
Legal Notes	<p>The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.</p>



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