

Primer DPM

Description

Primer DPM is a 2-component, solvent-free epoxy primer that can be used as a moisture barrier on clean, waterproof, stone-like substrates.

Quartzline Primer DPM is applied at a residual moisture content of 3 to 6%. Not suitable for floors with rising damp.

The coating is applied in two layers in order to guarantee a good seal.

Properties

Anhydrous	
Solvent-Free	
Easy to apply	
Very good penetration properties	
Suitable for underfloor heating	
Viscosity 1 (mPa.s) Approx. 1000	
Solids content (%) Approx. 100	
Density 2 (g/cm ³) Approx. 1,04	
Bonding strength ⁵ (N/mm ²)	> 1.5

¹ = Brookfield, LV3, 30 RPM, @ 23°C

² = ISO 2811-1, + 23°C/50% R.H

⁵ = EN 4624, 14 dagen / + 23 °C / 50% R.H

Component A: Liquid, clear transparent
Component B: Liquid, clear to slightly yellow

Packaging

Component A: 4,75 kg and 9,50 kg bucket
Component B: 2,75 kg and 5,50 kg bottle
Component A+B: 7.5 kg and 15 kg set

Shelf life / Storage

Up to 12 months after production date in original, unopened and undamaged sealed packaging, stored in a dry place between +5°C and +30°C.

Processing

Mixing ratio: Component A : Component B = 63.5 : 36.5 (parts by weight)

Add component B completely to component A and mix for 2 minutes to obtain a homogeneous mixture.

Then pour the mixture into a clean bucket and mix intensively for at least another minute. This is to prevent any unmixed parts at the edge and/or the bottom.

Mixing too quickly or too long should be avoided in order to minimise air entrapment. Air that is not put in does not have to come out either.

Mixing is preferably done with a powerful mixer at low speed, 300 - 400 RPM, with a Quartzline WK 90 mixing basket.

System structure

Moisture barrier: *Primer DPM*

For porous substrates with a residual moisture content of 3 to 6% maximum.

Primer: If levelling is to be done with Quartzline Cementitious SL Underlayment or Constructive, the Primer DPM must be coated with Primer Universal or Primer FST.

When using Primer DPM under the Deco-Line UV, for example, replace the Primer BHH with Primer DPM. The second layer of Primer DPM also replaces the scrap coat. This way you also have a dense substrate and you keep the same actions as with the regular primer-scratchcoat system and no time will be lost.

Usage

Consumption depends on the absorbency and flatness of the substrate, approximately 250 g/m² for a first coat and 150 g/m² for a second coat.

Preparing the substrate

Concrete substrates must be mechanically pre-treated by dustless blasting or notching to remove the cement skin and obtain a roughened, bonded and clean surface.

Before applying the product, all dust and loose particles must be completely removed from all surfaces, preferably by means of an industrial vacuum cleaner.

Underfloor heating should **ALWAYS** be switched off and completely cooled down.

The substrate must be sound, crack-free, stable and sufficiently load-bearing and pressure-resistant (at least 25 N/mm²), with a minimum adhesive strength of 1.5 N/mm². Furthermore, it must be clean and dry and free of dirt, oil, grease and other contaminations.

Weak concrete and loose cement-based levelling compounds should be removed.

Subfloors can be wet during application, but no water should be visible on the surface. However, there must be no pressure moisture

Processing conditions

Substrate temperature: Minimum 15°C, maximum 25°C

Room temperature: Minimum 15°C, maximum 25°C

Moisture content of substrate: < 6% moisture
To be tested via carbide measurement.

Relative humidity 40 to 70%

Dew point:

Beware of condensation!

The temperature of the substrate and uncured material should be at least 3°C above the dew point to reduce the risk of condensation, white discoloration or stickiness (carbamation) on the floor finish.

Application

Processing time at 20°C	25 minutes
Can be walked on at 20°C	24 hours
Light load at 20°C	48 hours
Fully cured at 20°C	7 days

Before application, check the moisture content of the substrate, R.H. and dew point.

Primer DPM should be applied in two layers, because with two layers you can seal the substrate better. For a moisture barrier it is important that every pore is properly closed, which can never be guaranteed with a single-coat system.

Notes

Do not use Primer DPM on surfaces with rising damp.

Freshly applied Primer DPM must be protected from moisture, condensation and water for at least 24 hours.

Process mixed material immediately, because flow and de-aeration are reduced when the processing time is reached.

Incorrect assessment and treatment of cracks can lead to a reduction in service life and recurrent cracking.

If heating is required, do not use gas, oil, paraffin or other fossil fuel burners, as these produce large amounts of both CO₂ and H₂O water vapour, which can adversely affect the finish. For heating use only electrically powered warm air fan systems.

Value base

All technical data in this product data sheet are based on laboratory tests. Data may change, depending on circumstances.

Health and safety information

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent Product Safety Data Sheet regarding physical, ecological, toxicological and other safety-related data.

Legal notice

The information, and especially the recommendations regarding the application and end use of Quartzline products, is provided in good faith based on Quartzline's current knowledge and experience with products properly stored, handled and applied under normal conditions.

In practice, the differences in materials, substrates and actual conditions on site may be such that no guarantee can be derived from this information and advice as to merchantability or suitability for a particular purpose, nor any liability arising from any legal relationship, based on this information, or from any written recommendations or any other advice given.

Quartzline reserves the right to change the properties of products. The property rights of third parties must be respected. All orders are accepted under the current conditions of sale and delivery.

Users should always consult the most recent edition of the product safety data sheet for the product concerned. Copies will be provided on request.