PRODUCT DATA SHEET

Reference: TDS08PDPM020

PRIMER DPM

Quartzline Primer DPM is a solvent-free, two-component, moisture barrier epoxy primer, suitable for substrates such as concrete and sand-cement substrates with a residual moisture content of 3 to 6%. Suitable, amongst other things, as a primer under Quartzline epoxy, polyurethane and levelling systems.

Primer DPM is characterised by its excellent penetration capacity. The primer seals the substrate and forms an effective moisture barrier.

APPLICATION CONDITIONS:

Substrate temperature	Minimum 15°C, maximum 25°C
Ambient temperature	Minimum 15°C, maximum 25°C
Substrate moisture content	< 6% moisture (tested using a carbide test)
Relative humidity	< 70% R.H.
Dew point	Beware of condensation

SUBSTRATE PREPARATION:

The substrate must be sound, clean, dry and free from dust, oil, grease and other contaminants, with a minimum compressive strength of 25 N/mm² and an adhesion strength of 1.5 N/mm².

Mechanically prepare concrete substrates, for example by low-dust blast cleaning or grinding, to remove the laitance and create a rough, high adhesion surface. Remove weak concrete and loose particles and fill holes or voids with Quartzline Epoxygel.

No water should be visible on the surface of the substrate and there must be no rising moisture.

CONSUMPTION:

Consumption depends on the absorption capacity and flatness of the substrate.

Ca. 250 g/m² for a first coat
Ca. 150 g/mm² for a second coat

APPLICATION:

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

Add component B in full to component A and mix for 2 minutes at 300–400 RPM using a Quartzline WK 90 mixing paddle until a homogeneous mixture is achieved. Pour the mixture into a clean bucket and mix thoroughly for at least 1 minute to prevent any unmixed sections from forming on the sides and bottom of the bucket.

Apply Primer DPM in two coats to better seal the substrate. For a moisture barrier, it is important that every pore is properly sealed.

CHARACTERISTICS:

- Water-free
- Solvent-free
- Easy to apply
- Excellent penetration capacity
- Suitable for use with underfloor heating

TECHNICAL PROPERTIES:

Density[1] (g/cm³)	ca. 1.04
Viscosity[2] (mPa.s)	ca. 1,000
Solid content	ca. 100
Adhesion strength[3] (N/mm²)	> 1.5 (Concrete failure)

1 = ISO 2811-1, + 23°C/50% R.H.
2 = Brookfield, LV3, 30 RPM, at 23°C
3 = EN 4624, 14 days / +23°C / 50% R.H.

INFORMATION:

Component A: 4.75 kg/9.50 kg bucket, liquid, clear and transparent

Component B: 2.75 kg/5.50 kg bottle, liquid, clear to pale yellow

Shelf life: Up to 12 months from the date of manufacture in original, sealed, unopened and undamaged packaging, stored in a dry place between 5°C and 30°C.

CURING TIME:

Phase (20°C)	Time
Pot life	25 min
Walkable	24 hours
Light load	48 hours
Fully cured	7 days

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IMPORTANT NOTES:

- Do not apply Primer DPM to substrates with rising moisture.
- Use the mixed material immediately; at the end of the pot life, the flow and deaeration properties diminish.
- Primer DPM is not suitable for anhydrite with residual moisture.
- If heating is required, use only electrically powered warm air fan systems.

LEGAL NOTICE:

The information and recommendations provided are based on Quartzline's current knowledge and experience when used correctly under normal conditions. Due to variations in materials, substrates and conditions, no guarantee or liability can be accepted regarding suitability or application. Quartzline reserves the right to modify product properties. The proprietary rights of third parties must be respected. All deliveries are subject to the applicable terms and conditions of sale and delivery.

VALUE BASE:

All technical data in this product data sheet are based on laboratory tests. Data may vary depending on conditions.

HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user must consult the most recent product safety data sheet, containing information on physical, ecological, toxicological and other safety-related data.