PRODUCT DATA SHEET

Reference: TDS11PRGP018

PRIMER GW

Quartzline Primer GW is a two-component, water-based epoxy primer suitable for non-porous substrates such as concrete floors, existing epoxy and polyurethane systems, and vitrified or glazed tiles. It is suitable, amongst other things, as a primer for Quartzline epoxy, polyurethane and levelling systems.

Primer GW is characterised by excellent adhesion properties, even on difficult-to-bond substrates. Depending on the substrate, the primer must be diluted with water.

APPLICATION CONDITIONS:

Substrate temperature	Minimum 10°C, maximum 35°C
Ambient temperature	Minimum 10°C, maximum 35°C
Substrate moisture content	< 4% (tested using a carbide test)
Relative humidity	< 80% 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 voids or cavities with Quartzline Epoxygel. Grind tile substrates using diamond grinding.

APPLICATION:

Mixing ratio: Component A : Component B = 50 : 50 (parts by weight).

Add component B in full to component A and mix for 2 minutes using a high-speed mixer fitted with a Quartzline WK 90 mixing paddle, until a homogeneous mixture is achieved. Depending on the substrate, add 20–50% water after both components have been fully mixed. Add the water gradually and in small quantities, only adding more once the previous amount has been fully incorporated.

Pour the mixture into a clean bucket and mix thoroughly for at least 1 minute to prevent unmixed sections from forming on the sides and bottom of the bucket.

Apply the primer using a Quartzline nylon roller. Ensure the substrate is thoroughly saturated.

CHARACTERISTICS:

- Water-based
- Solvent-free
- Good adhesion properties
- Fast-drying
- Excellent alkali resistance
- Viscosity adjustable by adding water

TECHNICAL PROPERTIES:

Density[1] (g/cm³)	ca. 1.40
Adhesion strength[2] (N/mm²)	> 1.5 (Concrete failure)

1 = EN 12190, 14 days/ +23°C / 50% R.H.
2 = EN 4624, 14 days/ +23°C / 50% R.H.

INFORMATION:

Component A: 2.5kg/5kg/10kg/20kg bucket, liquid, white

Component B: 2.5 kg/5 kg/10 kg/20 kg bucket, liquid, light yellow

Shelf life: Up to 6 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	1 hour
Dust dry	6 hours
Walkable	12 hours
Fully cured	7 days

PRIMER GW

CONSUMPTION:

Depending on the substrate, the consumption of Quartzline Primer GW is 100g – 150g per m^2

Substrate	Amount of water
Sand-cement	50%
Concrete	50%
Anhydrite	50%
Wood	50%
Linoleum	30%
PVC	30%
Tiles	30%
Natural stone	30%

IMPORTANT NOTES:

- Drying times are longer at low temperatures and/or high humidity.
- For heating, use only electrically powered hot-air blowers.
- Protect Primer GW from moisture during application and curing.
- Use mixed material immediately.

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.

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