Dura-Walk® Tile-Metal Primer

FEATURES AND BENEFITS

- Excellent adhesion to metal and ceramic tile surfaces
- Easy to apply

PRODUCT INFORMATION

DESCRIPTION

Dura-Walk Tile/Metal Primer is a low viscosity, colourless, 2 component reactive resin based on methyl methacrylate (MMA).

USAGE

Dura-Walk Tile/Metal Primer is used as primer to give excellent bonding to metal substrates (e.g. iron, aluminium, stainless steel) and to ceramic tile substrates.

We strongly recommend with all Dura-Walk Primers that curing and adhesion tests are conducted on the particular substrate prior to general use on site.

PACKAGING

20 kg metal pails

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS (LIQUID STATE)

Density at 25°C:	0.99 g/ml	ISO 2811
Viscosity at 25°C:	100-130 mPa * s	DIN 53018
Flash point:	+ 11.5°C	ISO 1516
Pot life at 20°C:	approx. 15 min.	
Curing time at 20°C:	approx. 30 min.	

TECHNICAL CHARACTERISTICS (SOLID STATE)

Tensile strength:	13.8 N/mm^2	ISO 527
Elongation at max. strength:	1.3 %	
Elongation at fracture:	1.3 %	
Modulus of elasticity:	1500 N/mm^2	
Density at 20°C	1.16 g/cm^3	ISO 1183

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

USAGE GUIDELINES

SUBSTRATE PREPARATION

All substrates must be dry, firm, solid and free of dust, fats and oil. Loose tiles and tiles over hollows must also be removed. Metal substrates must be prepared to SA 2.5.

For further details, see our Application Manual for Dura-Walk Balcony Systems.

MIXING

Prior to use, Dura-Walk Tile/Metal Primer must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Dura-Walk Concrete Primer is thoroughly mixed together with the Dura-Walk Catalyst in accordance with the below guidelines.
It should be noted that the amount of catalyst powder to be added depends upon the ambient temperature.

at 30°C	add 1% by weight of catalyst
at 20°C	add 2% by weight of catalyst
at 10°C	add 4% by weight of catalyst
at 0°C	add 6% by weight of catalyst
below 0°C	add 6% by weight of catalyst and additionally add an accelerating agent, Dura-Walk Accelerator.

Please contact our Technical Service Department for further details.

Note: Weight to Volumetric conversion of Catalyst.
1 cm^3 of Dura-Walk Catalyst weighs 0.64 g
1 g of Dura-Walk Catalyst = 1.57 cm^3

APPLICATION

After the catalyst has been stirred in, the primer is applied with a short pile paint roller. When a continuous resin film is obtained, broadcast fire-dried quartz sand (particle size 0.7 - 1.2 mm or 0.3 - 0.7 mm) into the still wet primer. Consumption approximately 0.3 – 0.5 kg/m^2. For further details, see our Application Manual for Dura-Walk Balcony Systems.

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STORAGE

Store in a cool dry place and in original packaging and away from direct sunlight. Optimal storage temperature is between 15 - 20°C. the packaging.

HEALTH AND SAFETY PRECAUTIONS

Please refer to the Safety Data Sheets for the products used.

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Dura-Walk Tile/Metal Primer.

If the product is applied in enclosed areas without natural ventilation, forced ventilation must be arranged. Avoid strong concentration of vapour as well as direct contact with skin or eyes.

For further information see our Material Safety Data Sheet.

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