



Dura-Walk® Concrete Primer

FEATURES AND BENEFITS

- Excellent adhesion to most common substrates
- Fast and safe curing even at low temperatures
- Provides good adhesion to subsequent coats

PRODUCT INFORMATION

DESCRIPTION

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

USAGE

Dura-Walk Concrete Primer is used as a general prime coat for Dura-Walk Balcony Systems. It is normally used as supplied but may be thinned with Dura-Walk Thinner to increase the penetration into certain types of cementitious substrates. For ceramic and common metal substrates we recommend the use of Dura-Walk Tile Primer as a primer.

For information on above products please see the respective Data Sheets.

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:	10.3 N/mm ²	ISO 527
Elongation at max. strength:	0.62 %	
Elongation at fracture:	0.62 %	
Modulus of elasticity:	1990 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

The substrate must be dry (maximum 4% residual humidity), firm, solid and free of dust, fats and oil. Laitance and loose particles must be thoroughly removed, e.g. by shot blasting. Fats or oils as well as humidity can be removed for example by flame blasting.

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

MIXING

Prior to use, Dura-Walk Concrete 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 cm³ of Dura-Walk Catalyst weighs 0.64 g
1 g of Dura-Walk Catalyst = 1.57 cm³

APPLICATION

After the catalyst has been stirred in, the primer is poured onto the substrate in stripes and distributed with a short pile paint roller. A notched rubber squeegee can be used for fast distribution of large quantities. Apply at a rate of between 300 gr/m² to 500 gr/m² depending on density and porosity of the substrate. In any case, continue applying primer until saturation occurs to obtain a continuous resin film. On extremely porous substrates a second prime coat may be required. 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/m². For further details, see our Application Manual for Dura-Walk Balcony Systems.

Dura-Walk® Concrete Primer



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 Concrete 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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