

Duracon[®] 108

Special primer for Duracon[®] flooring systems

Key Benefits Summary:

- Improved adhesion to damp concrete and cementitious based substrates
- Fast and safe curing even at low temperatures
- Provides good adhesion to subsequent coats

Product Information:

Description:

Duracon[®] 108 is a low viscosity, colourless, 2 component reactive resin based on methyl methacrylate (MMA).

Usage:

Duracon[®] 108 is used as a special prime coat for damp or new concrete substrates.

We strongly recommend with all Duracon[®] primers that curing and adhesion tests are conducted on a particular substrate prior to general use on site.

Packaging:

180 kg steel drums, 18 kg metal pails.

Technical Information:

Technical Characteristics (liquid state)

Viscosity, 25°C:	100-130mPa*s	DIN 53018
Density, 25°C:	1.02 g/ml	ISO 2811
Pot life/processing time at 20°C:		approx 15 min.
Curing time at 20°C:		approx 60 min.
Flash Point:	+11.5°C	ISO 1516

Technical Characteristics (cured state)

Tensile Strength:	10.4 N/mm ²	ISO 527
Elongation at max. strength:	2.1%	
Elongation at fracture:	2.1%	
Modulus of elasticity:	720 N/mm ²	
Density, 20°C	1.18 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:

Duracon[®] 108 is suitable for damp concrete and cementitious substrates. There must not be any visible water on the surface. The substrate must be firm, solid and free of dust, fat and oil. Laitance and loose particles must be removed thoroughly, e.g. by shot blasting. Fats or oils can be removed by flame blasting for example. It can also be used on dry surfaces.

For further details, see our "General Preparation and Application guidelines for Duracon[®] floor protection systems".

Mixing:

Prior to use, Duracon[®] 108 must be carefully stirred to achieve a uniform distribution of the agents contained in the product. Duracon[®] 108 is thoroughly mixed together with the Duracon[®] CATALYST (50% dibenzoyl peroxyde), in accordance with the guidelines below.

It should be noted that the amount of catalyst powder to be added depends upon the temperature.

At 30°C	add 2% by weight of resin
At 20°C	add 3% by weight of resin
At 10°C	add 4% by weight of resin
At 0°C	add 6% by weight of resin
Below 0°C	add 6% by weight of resin and additionally add Duracon [®] 404, which is an accelerating agent.

Note: Weight to Volumetric conversion of Catalyst.

1 cc of Duracon[®] CATALYST weights 0.64 gm
1 gm of Duracon[®] CATALYST = 1.57 cc

Application:

After the catalyst has been stirred in, the primer is poured onto the substrate in stripes and spread 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 dried quartz sand (particle size 0.7-1.2 mm or 0.3-0.7 mm) into the still wet primer. Consumption approximately 0.5 kg/m²

For further details see our "General Preparation and Application guidelines for Duracon[®] floor protection system".

Shelf Life:

6 months when stored in a cool and dry place and in original sealed packaging. Keep additive and catalyst separate. The optimal storage temperature is 15-20°C.

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Health & Safety:

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Duracon[®] 108.

In case of contact with eyes rinse immediately for a long period of time and consult a physician. In case of contact with skin clean immediately with water and soap.

Duracon[®] 108 is highly flammable; keep away from heat and all sources of ignition and do not smoke. The stirrer as well as all the other electric appliances used on the application site must be explosion-proof versions. For further information see our Material Safety Data Sheets.

Guarantee:

RPM/Belgium N.V. warrant all goods to be free from defects and will replace materials proven to be defective.

The information and recommendations herein are believed by RPM/Belgium N.V. and Equus to be accurate and reliable.

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