

# Duracon<sup>®</sup> 107

## Primer for Duracon<sup>®</sup> flooring systems on metal and tile substrates

### Key Benefits Summary:

- Exhibits excellent adhesion to metal and ceramic tile substrates.
- Easy to apply

### Product Information:

#### Description:

Duracon<sup>®</sup> 107 is a low viscosity, colourless, 2 component reactive resin based on methyl methacrylate (MMA).

#### Usage:

Duracon<sup>®</sup> 107 is used as a primer to give excellent bonding to metal substrates (e.g. iron, aluminium, stainless steel) and to ceramic tile substrates.

We strongly recommend with all Duracon<sup>®</sup> primers that curing and adhesion tests are conducted on the particular substrate prior to general use on site.

#### Packaging:

180 kg steel drums, 50 kg metal pails, 20kg pails.

#### Shelf Life:

6 months when stored in a cool and dry place and in originally closed packaging. The optimal storage temperature is 15-20°C.

### Technical Information:

#### Technical Characteristics (liquid state)

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

#### Technical Characteristics (cured state)

Tensile Strength:	13.3 N/mm <sup>2</sup>	ISO 527
Elongation at max. strength:	1.3 %	
Elongation at fracture:	1.3 %	
Modulus of elasticity:	1500 N/mm <sup>2</sup>	
Density, 20°C	1.16 g/cm <sup>3</sup>	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, fat and oil. Loose tiles and tiles over hollows must also be removed. Steel substrates must be prepared to SA 2.5 (according to DIN55929).

For further details, see our "General Preparation and Application guidelines for Duracon<sup>®</sup> floor protection systems".

#### Mixing:

Prior to use, Duracon<sup>®</sup> 107 must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Duracon<sup>®</sup> 107 is thoroughly mixed together with the Duracon<sup>®</sup> CATALYST (50% dibenzoyl peroxyde), in accordance with the below guidelines.

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

At 30°C	add 1% by weight of resin
At 20°C	add 2% by weight of resin
At 10°C	add 4% by weight of resin
At 0°C	add 6% by weight of resin

#### Note: Weight to Volumetric conversion of Catalyst.

1 cm<sup>3</sup> of Duracon<sup>®</sup> CATALYST weights 0.64 g  
1 g of Duracon<sup>®</sup> CATALYST = 1.57 cm<sup>3</sup>

#### Application:

After the catalyst has been stirred in, the primer is applied with a short-pile paint roller. Fire-dried quartz sand (particle size 0.7-1.2 mm or 0.3-0.7mm) is broadcasted into the still wet primer.

Consumption approximately 0.3 kg/m<sup>2</sup>

For further details see our "General Preparation and Application guidelines for Duracon<sup>®</sup> floor protection system".

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### **Health & Safety:**

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Duracon<sup>®</sup> 107.

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<sup>®</sup> 107 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. and Alteco Technik GmbH 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 Alteco Technik GmbH to be accurate and reliable.

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