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PRODUCT  
DATA  
SHEET

# Duracon<sup>®</sup> Catalyst

Catalyst for the curing of Duracon<sup>®</sup> reactive resins

## Product Information:

### Description:

Duracon<sup>®</sup> Catalyst is an almost odourless, free flowing, white powder consisting of stabilized 50% dibenzoyl peroxide.

### Usage:

Duracon<sup>®</sup> Catalyst is mixed with Duracon<sup>®</sup> reactive resins to initiate polymerisation.

### Consumption:

Consumption of Duracon<sup>®</sup> Catalyst depends on the temperature at which the Duracon<sup>®</sup> reactive resins are being applied. See separate individual Technical Data Sheets for the recommended quantities.

If no accurate scale is available at the application site, calculate the quantity in grams and convert the result into cm<sup>3</sup> using a powder density 0.64 g/cm<sup>3</sup>. The required amount of catalyst can then be measured using a measuring beaker:

1 cm<sup>3</sup> Duracon<sup>®</sup> Catalyst = 0.64 g  
1 g Duracon<sup>®</sup> Catalyst = 157 cm<sup>3</sup>

### Packaging:

25 kg boxes  
Small amounts are available on request.

### Shelf Life:

6 months when stored in a cool and dry place and in originally closed packaging. Maximum storage temperature is +25°C.

## Technical Information:

### Technical Characteristics

Melting/distortion temperature:	>54°C
Powder density:	0.64 kg/l
Solubility in water:	not soluble
Solubility in organic solvents:	highly soluble
Thermal decomposition:	>60°C

### Usage Guidelines:

#### Application:

Depending on the Duracon<sup>®</sup> reactive resin type and prevailing ambient substrate temperatures between 1-6% by weight of resin should be added and are stirred in until completely dissolved.

To delay or accelerate polymerisation, additives can be used. These can be obtained upon request. Such additives are necessary when application is done at temperatures above +30°C or below 0°C

All accelerator and inhibiting agents, pigment powders, colour pastes and thixotropic agents should be mixed with the resin before the catalyst is added. Fillers are added after the Duracon<sup>®</sup> Catalyst is added and stirred in.

## Health & Safety:

### For Duracon<sup>®</sup> Catalyst:

Wear suitable protective clothing, gloves and safety goggles.

After contact with eyes rinse immediately with plenty of water and consult a physician. After contact with skin wash immediately with water and soap.

The product is an oxidizing agent; keep away from heat and all sources of ignition and do not smoke. Avoid direct contact with accelerators, e.g. Duracon<sup>®</sup> 404.

### For application of the resins:

Wear suitable protective clothing, gloves and safety goggles.

After contact with eyes rinse immediately with plenty of water and consult a physician. After contact with skin wash immediately with water and soap.

This product is flammable; keep away from heat and all sources of ignition and do not smoke.

The mixer as well as all other electrical devices on the application site must be spark/explosion proof.

For further information see our Material Safety Data Sheet.

## 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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