

DURACON CATALYST

April 2024

PRODUCT:

Duracon Catalyst is an almost odourless, free flowing, white powder consisting of stabilized 50% dibenzoyl peroxide.

USAGE:

Duracon Catalyst is used with Duracon reactive resins to initiate polymerisation.

CONSUMPTION:

Consumption of Duracon Catalyst depends on the temperature at which the Duracon 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 cm³ using a powder density 0.64 g/cm³. The required amount of catalyst can then be measured using a measuring beaker:

1 cm³ Duracon Catalyst = 0.64 g. 1 g Duracon Catalyst = 157 cm³.

STANDARD PACKS:

25kg boxes, small amounts are available on request.

SHELF LIFE:

Six months when stored in a cool and dry place and in original sealed packaging. The optimal storage temperature is 15-20°C.

PROPERTIES:

Technical Characteristics

| 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 |

APPLICATION:

Depending on the Duracon 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 Catalyst is added and stirred in.

HEALTH AND SAFETY:

For Duracon 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 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.

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WARNINGS AND BANS:

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| Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004? | No |
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MANUFACTURERS CONTACT DETAILS:

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| Manufacture location | Australia |
| Legal and trading name of manufacturer | Tremco CPG Pty Ltd. |
| Manufacturer address for service | 12/4 Southridge Street, Eastern Creek, NSW 2766, Australia |
| Manufacturer website | |
| Manufacturer email | orders@tremco.com.au |
| Manufacturer phone number | +61 2 4648 0397 |