

# Matacryl® CATALYST

## CATALYST FOR THE CURING OF MATACRYL® PRODUCTS

### Product Description

Matacryl® CATALYST is an almost odourless, free flowing, white powder consisting of stabilized 50 % dibenzoyl peroxide. This product is also known as Hycryl Catalyst.

### Usage

Matacryl® CATALYST is mixed with Matacryl® Primers, Membranes and Sealers to initiate polymerisation. A suitable direct replacement for Matacryl CATALYST is IMCD Perkadox GB-50X.

### Consumption

Consumption of Matacryl® CATALYST depends on the temperature at which the MATACRYL® products 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> MATACRYL® CATALYST = 0.64 g

1 g MATACRYL® CATALYST = 1.57 cm<sup>3</sup>

### Technical Data

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 MATACRYL® products type and prevailing ambient substrate temperatures between 1 – 6% by weight of product should be added and is 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 MATACRYL® CATALYST is added and stirred in.

### Application conditions

- Surface and ambient temperatures min. -5°C, max. +35°C.
- The substrate temperature should always be at least 3°C above the dew point temperature.
- In closed rooms a forced ventilation with at least 7-fold air exchange per hour is recommended.

To provide for outside these conditions, please contact our Technical Service.



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## Precautions to be taken

### For Matacryl® CATALYST:

Avoid direct contact with accelerators, e.g. MATACRYL® ACCELERATOR.

### For application of the Matacryl® products:

For further information see the current Safety Data Sheet.

## Packaging

25 kg boxes (Small amounts are available on request.)

## Shelf life

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

### Warranties and Disclaimers

Hychem warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Hychem has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of spray equipment and application of sol-gel materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Hychem and executed under seal by a company officer.

### Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

### Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the product suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

