

POLYAC[®] CATALYST

HARDENER POWDER FOR POLYAC[®] RESIN SYSTEMS

Product Description

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

Uses

POLYAC[®] CATALYST is a white powder containing 50% peroxide.

POLYAC[®] CATALYST is the universal hardener component for all POLYAC[®] systems.

POLYAC[®] CATALYST initiates and polymerises the POLYAC[®] resins.

Chemical resistance

Polymerised POLYAC[®] resins have high chemical resistance to alkalis, petroleum derivatives, acids, salts and maintenance products.

Properties

- High reactivity
- Universal hardener component for all reactive POLYAC[®] resins
- Free-flowing powder
- Virtually odourless
- Applicable at low temperatures
- Wide range of applications
- Optimised polymerisation under adverse conditions

Applications – Processing

Dosing

The dosing depends on:

- Type of POLYAC[®] reactive resin
- Temperature of substrate and materials
- Layer thickness
- Filling rate

Mixing

- Mix all POLYAC[®] resins well before use. Paraffin may separate during storage.
- Dose a quantity of resin that can be processed within a period of 15 minutes.
- Add 1 to 7% POLYAC[®] CATALYST, refer to technical data sheets POLYAC[®] resins for correct quantity.
- Mix until the powder is dissolved completely and add additives, if any, see technical data sheet of the respective POLYAC[®] resin.



POLYAC® CATALYST

Technical Properties Resin

| | |
|-----------------------------------|---|
| Appearance | White powder |
| Odour | Typically mildly irritating |
| Viscosity | Free-flowing powder |
| Bulk density | 0.64kg/dm ³ |
| Storage temperature | Max. 25°C |
| Solubility | Water – Insoluble Solvent – Soluble |
| Flash point | 180°C |
| Decomposition temperature: | |
| Consumption | 1 to 7% g/g on the percentage of POLYAC® reactive resin |

Consumption

1 to 7g POLYAC® CATALYST per 100g POLYAC® reactive resin.

To be purchased separately

- Cleaning solvent for equipment: MEK Solvent
- POLYAC® reactive resin
- A suitable direct replacement for Matacryl CATALYST is IMCD Perkadox GB-50X.

Packaging

| | | |
|-------------------------|--------|--------------|
| POLYAC® CATALYST | 0,5 kg | Plastic pail |
| | 5 kg | Plastic pail |
| | 25 kg | Box |

Storage and shelf life

Store POLYAC® products in a dry, well-ventilated storage area between +5 and +35°C.

Shelf life: 1 year.

Do not discharge into groundwater/surface waters/sewers. Dispose of contaminated packaging and residues in compliance with applicable legal requirements.

Safety precautions

Please read the safety data sheets carefully before using POLYAC® products.





POLYAC[®] CATALYST

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.

