

# PERGAQUICK CP24 A

## Cobaltpolymer Amine accelerators / Curing

### Description

Mixture of Cobaltpolymer and N,N-Dimethylaniline  
12%, Solution with stabilizing agent

PERGAQUICK CP24 A is used as an accelerator for curing of unsaturated polyester resins at ambient temperature in combination with Ketone peroxides.

CAS No.:

-; 121-69-7

### Technical data

Appearance:

**red liquid**

Active substance assay:

**appx. 12%**

Density at 20°C:

**0.97 g/cm<sup>3</sup>**

### Solubility

Insoluble in water, soluble in various organic solvents

### Storage

Maximum storage temperature (Ts max):

**30°C**

Minimum storage temperature (Ts min):

**5°C**

Storage stability as from date of delivery:

**6 months**

Keep packaging tightly closed in a well ventilated place at indicated storage temperature.

### Hazardous reactions

Might react violently with organic peroxides. It is therefore not allowed to store or transport the product together with peroxides. NEVER BRING AN ACCELERATOR INTO DIRECT CONTACT WITH PEROXIDES!

### Safety characteristics

Flash point:

**99°C**

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### Application

The curing of unsaturated polyester resins at ambient temperatures can in general not be performed by an organic peroxide alone. The radical formation which is necessary - to start the polymerisation reaction - is too slow at ambient temperatures with most generally applied organic peroxides.

To speed up the radical formation in a controllable way, organic peroxides must therefore be used in combination with a so called accelerator. For ketone peroxides - like Methyleneethylketone peroxides, cyclohexanone peroxides and acetylacetone peroxide - a cobaltpolymer accelerator must be used.

With the curing system ketone peroxide plus PERGAQUICK CP24 A a much faster speed of cure will be achieved than with a curing system based on a ketone peroxide plus cobaltpolymer accelerator alone, at room and ambient temperature. This also counts for the curing system perester plus PERGAQUICK CP24 A in comparison with perester plus cobaltpolymer at elevated temperature.

PERGAQUICK CP24 A is particularly suitable in those applications where a fast mould-turnover is required, e.g. for the cold press moulding, polymer concrete or resin transfer moulding.

Depending on application area and working conditions, the following accelerator dosage levels are recommended:

PERGAQUICK CP24 A: 0,25 to 1,0 phr

### Packaging

**25kg container**  
**200kg steel drum**

### Major decomposition products

Avoid contact with oxygen, close container carefully after removal.

**In case of fire, toxic fumes of N-oxides, Cobalt oxides and carbonmonoxide may be formed**

### Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PERGAQUICK CP24 A. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at [www.pergan.com](http://www.pergan.com) or through contacting Pergan directly.

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