

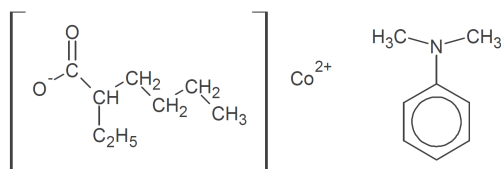
PERGAQUICK C24 AX

Cobalt Amine accelerators / Curing

Description

Mixture of Cobaltoctoate and N,N-Dimethylaniline
12%, Solution in TXIB

PERGAQUICK C24 AX is used as an accelerator for curing of unsaturated polyester resins at ambient temperature in combination with Ketone peroxides.



CAS No.:

121-69-7; 136-52-7

Technical data

Appearance:

dark liquid

Active substance assay:

appx. 12%

Density at 20°C:

0.96 g/cm³

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!

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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 Methyl ethyl ketone peroxides, cyclohexanone peroxides and acetylacetone peroxide - a cobalt accelerator must be used.

With the curing system ketone peroxide plus PERGAQUICK C24 AX a much faster speed of cure will be achieved than with a curing system based on a ketone peroxide plus cobalt accelerator alone, at room and ambient temperature. This also counts for the curing system perester plus PERGAQUICK C24 AX in comparison with perester plus cobalt at elevated temperature.

PERGAQUICK C24 AX 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 C24 AX: 0,25 to 1,0 phr

Packaging

25kg container
200kg steel drum

Major decomposition products

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 C24 AX. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at www.pergan.com or through contacting Pergan directly.

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