

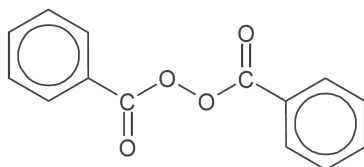
# PEROXAN BP-Paste 50 PF 1 rot

## Diacyl peroxides / Curing

### Description

Dibenzoylperoxide  
50%, Paste with stabilizing agent

PEROXAN BP-Paste 50 PF 1 rot is used for the curing of unsaturated polyester resins at ambient temperature in combination with amine accelerators.



Molecular weight: **242.2**  
CAS No.: **94-36-0**

### Technical data

Appearance: **red paste**  
Peroxide assay: **appx. 50%**  
Active oxygen assay: **appx. 3.3%**

### Solubility

Insoluble in water

### Storage

Maximum storage temperature (Ts max): **30°C**  
Minimum storage temperature (Ts min): **5°C**  
Storage stability as from date of delivery: **6 months**

### Hazardous reactions

Keep packaging tightly closed in a well ventilated place at indicated storage temperature. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Never weigh out in storage room.

Oxidizing agent. Decomposes violently under the influence of heat or by contact with reducing agent. Never mix with accelerators.

### Safety characteristics

Flash point: **>SADT°C**  
SADT: **60°C**

The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.

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## Application

PEROXAN BP-Paste 50 PF 1 rot is a paste without phthalate used for the curing of unsaturated polyester resins at ambient temperature in combination with a tertiary amine accelerator.

PEROXAN BP-Paste 50 PF 1 rot was developed for the operation in mining to build a firm connection and a compression of the stratum under use of so called injection drill bolts and 2-component-cartridge filled with resinmortar and PEROXAN BP-Paste 50 PF 1 rot.

PEROXAN BP-Paste 50 PF 1 rot shows excellent chemical and physical stability.

The rheological behaviour of PEROXAN BP-Paste 50 PF 1 rot is that of a thixotropic long paste with a tendency of tailing.

Depending on working conditions the following peroxide and accelerator dosage levels are recommended:

PEROXAN BP-Paste 50 PF 1 rot: 2 to 5 phr

Amine accelerator: 0,05 to 0,5 phr

## Packaging

**25kg pail**

**225kg steel drum**

## Major decomposition products

**Benzoic acid, Benzene, , diphenyl, Carbon dioxide, phenyl benzoate**

## Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN BP-Paste 50 PF 1 rot. 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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