

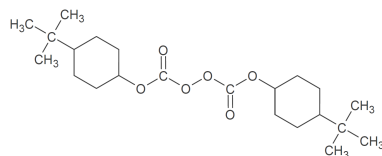
# PEROXAN BCC-Paste 50 A

## Peroxydicarbonate / Curing

### Description

Di-(4-tert-butyl-cyclohexyl)-peroxydicarbonate  
50%, Paste with plasticizer

PEROXAN BCC-Paste 50 A is used for the curing of highly filled methacrylic resins, typically in combination with other peroxides of different reactivity.



Molecular weight: **398.5**  
CAS No.: **15520-11-3**

### Technical data

Appearance: **white paste**  
Peroxide assay: **appx. 50%**  
Active oxygen assay: **appx. 2%**  
Density at 20°C: **1.14 g/cm<sup>3</sup>**

### Storage

Maximum storage temperature (Ts max): **15°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

SADT: **40°C**

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

# PEROXAN BCC-Paste 50 A

## Peroxydicarbonate / Curing

---

### Application

PEROXAN BCC-Paste 50 A is used for the curing of highly filled methacrylic resins, typically in combination with other curing agents of different reactivity, e.g. PEROXAN LP and PEROXAN PB.

PEROXAN BCC-Paste 50 A shows a high reactivity at elevated temperature, which is demonstrated by its low activation temperature, in combination with a relatively long pot life at ambient temperatures. PEROXAN BCC-Paste 50 A is used in combination with a low reactive peroxide to ensure a good final cure. These peroxide combinations can successfully be used for those applications where a long gel time is required at room temperature in combination with a fast cure at elevated temperatures of 60°C to 140°C. Applications areas can be cure-in-place-pipe (CIPP), pultrusion, filament winding, manufacturing of artificial marble.

Depending on working conditions, the following dosage level is recommended:

PEROXAN BCC-Paste 50 A as such: 2,0 to 4,0 phr

PEROXAN BCC-Paste 50 A as kicker peroxide: 1,0 to 2,0 phr

### Packaging

**25kg pail**

### Major decomposition products

**4-tert-Butylcyclohexanol, Carbon dioxide**

### Safety and handling

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

The information presented herein is true and accurate and to the best of our knowledge, but without any guarantee. Since the conditions of use are beyond our control we disclaim any liability, including for patent infringement, incurred in connection with the use of these products, data or suggestions.