

Make cure visible with Butanox[®] M-50 VR

**Vanishing Red organic peroxides to
monitor dosing, mixing and curing**

Everyone knows that chameleons change color to match their surroundings. But not only chameleons are known for their ability to change color. Our Vanishing Red (VR) organic peroxides do so to match the needs of our customers and allow you to monitor the curing process of your thermoset resins.

Our VR curing systems provide all of the benefits of normal dyed peroxides, such as insurance of peroxide addition and verification of consistent mixing, without the lasting red color normal dyed peroxides leave in the cured resin. And just like chameleons, the color of our Vanishing Red organic peroxides literally changes in front of your eyes.

www.akzonobel.com/polymer



AkzoNobel
Tomorrow's Answers Today



Making red peroxides vanish

Our Vanishing Red curing systems allow you to improve efficiency of the curing process, while giving all the advantages of conventional red peroxides. Now you can visually monitor curing and reduce cycle times.

The Vanishing Red series of organic peroxides includes a red indicator system that disappears in front of your eyes. The red color vanishes to clear during the gel to peak interval and is only there when you need it. At demolding, the red color has disappeared completely.

Advantages include:

- Monitoring of the cure progress in/on the mold
- Visualization of hot & cold spots
- Following of thermal effects of core materials

In addition they

- Indicate initiator presence
- Confirm good mixing
- Isolate dead flow zones

Hand Lay-Up & Spray-Up

Our Vanishing Red curing systems can be used in Hand Lay-Up and Spray-Up techniques. But they also find use in other applications where our clear and red Butanox®, Trigonox® and Perkadox® organic peroxides are used.

Butanox M-50 VR

Thermoset resin producers the world over recognize Butanox M-50 as synonymous with the highest quality general purpose methyl ethyl ketone peroxide (MEKP). This glycol free, low water curing agent is now also available with the VR indicator system allowing you to monitor cure.

Butanox®

Our Vanishing Red product offerings for the ambient cure of unsaturated polyester and vinylester (VE) resins also includes:

Butanox LPT-IN VR

- Methyl ethyl ketone peroxide
- Very low reactivity or for standard curing VE resins

Trigonox 44B VRE

- Acetylacetone peroxide
- For fast cure

Trigonox 249 VR

- Methyl ethyl ketone peroxide and cumyl hydroperoxide
- For medium reactivity

Trigonox 239 VR

- Cumyl hydroperoxide
- For curing VE resins

To benefit from our Vanishing Red curing systems, please contact your AkzoNobel account manager or

AkzoNobel Functional Chemicals

P.O. Box 247
3800 AE Amersfoort
The Netherlands

T +31 33 467 6229

F +31 33 467 6116

E thermoset.chemicals@akzonobel.com

W www.akzonobel.com/polymer