

# Spray-up



## Reason for our products

- High quality
- Good aftersales and technical service
- Intensive safety research
- Worldwide distribution
- Customized application research: special formulated products for an optimal performance in this application

## Introduction

AkzoNobel is the world's leading producer of organic peroxides for the curing of thermoset resins and coatings. We're home to the best known brands in the thermoset market, examples include Butanox<sup>®</sup>, Perkadox<sup>®</sup> and Trigonox<sup>®</sup>. We also have a whole range of auxiliary products, such as accelerators and promoters, to meet your specific production requirements.

This application guide introduces you to our thermoset product portfolio and helps you find a suitable curing system for your specific application. If you need more detailed information please contact us.

## Application

Spray up.

## AkzoNobel curing agents

Main peroxides: Butanox M-50, Butanox M-60, Trigonox 44B and Trigonox 61

Special peroxides: Butanox LA-IN, and Cyclonox<sup>®</sup> LE-50

## Main products

Wide variety of different products

## Process equipment

Spray up machines

## Reactivity figures

### Trigonox 61

#### Cure of 1 mm pure resin layer at 20°C

The speed of cure is expressed as the time to reach a Persoz hardness of respectively 30, 60 and 120 s.

	Persoz:	30	60	120	s
2 phr Trigonox 61 + 0.5 phr Accelerator NL-49P		2.2	3.5	9	h
2 phr Butanox M-50+ 0.5 phr Accelerator NL-49P		2.4	4.1	13	h
2 phr Trigonox 61 + 1.0 phr Accelerator NL-49P		1.0	2.0	6.5	h
2 phr Butanox M-50+ 1.0 phr Accelerator NL-49P		1.7	3.0	9.5	h

### Cyclonox LE-50

#### Cure of 1 mm pure resin layer at 20°C

The speed of cure is expressed as the time to reach a Persoz hardness of respectively 30, 60 and 120 s.

	Persoz:	30	60	120	s
2 phr Cyclonox LE-50 + 0.5 phr Accelerator NL-49P		2.5	5.5	22	h
2 phr Butanox M-50 + 0.5 phr Accelerator NL-49P		2.4	4.1	13	h
2 phr Cyclonox LE-50 + 1.0 phr Accelerator NL-49P		1.6	4.0	18	h
2 phr Butanox M-50 + 1.0 phr Accelerator NL-49P		1.7	3.0	9.5	h

## For more information

### EMEIA

AkzoNobel Polymer Chemistry  
Velperweg 76  
6824 BM Arnhem  
The Netherlands  
T +31 88 969 2727  
E polymerchemicals.nl@akzonobel.com

### Americas

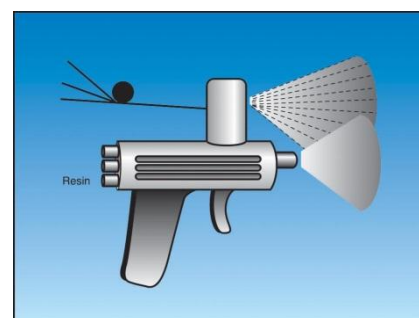
AkzoNobel Polymer Chemistry  
525 West Van Buren Street  
Chicago, IL 60607  
United States  
T +1 800 828 7929 (US only)  
T +1 312 544 7000  
F +1 312 544 7188  
E polymerchemicals.na@akzonobel.com

### Asia Pacific

Akzo Nobel (Asia) Co. Ltd.  
22F, Eco City  
No. 1788 West Nan Jing Road  
Jing An District  
Shanghai 200040  
P.R. China  
T +86 21 2220 5000  
F +86 21 2220 5558  
E polymerchemicals.ap@akzonobel.com

[polymerchemistry.akzonobel.com](http://polymerchemistry.akzonobel.com)

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