

# LUPEROX® K1 G VR



METHYL ETHYL KETONE PEROXIDE  
CAS NR: 1338-23-4  
EINECS: 215-661-2

## APPLICATIONS

Luperox® K1 G VR is a standard MEK peroxide phthalate free, for ambient temperature curing of polyester laminating and gel coat resins. It contains a vanishing red pigment that makes easy to visually check the good dosage of peroxide into the UP resin. After curing, red coloration completely disappears.

Luperox® K1 G VR is recommended for the curing of ortho- and isophthalic, Bisphenol-A or neopentyl-glycol resins at temperatures between 15 and 50°C in presence of cobalt accelerator.

Typical applications of Luperox® K1 G VR are:

- gel coats,
- hand lay-up,
- spray-up,
- centrifugal casting and filament winding,
- polyester concrete.

## SPECIFICATIONS

	Unit	Value	Method of Analysis
<b>Physical form</b>	-	red colored liquid	AM/I/71/A
<b>Active oxygen</b>	% w	9.0 - 9.4	AM/I/53/C

## CARACTERISTICS

	Unit	Value
<b>Density at 20°C</b>	g/ml	1,015
<b>Viscosity at 20°C</b>	mPa s	17
<b>Flash point (setapoint)</b>	°C	75
<b>S.A.D.T (1)</b>	°C	>50

### (1) Self- accelerating decomposition temperature.

Product can be stored minimum three months after receiving date, if kept in appropriate conditions and below its maximum storage temperature. Refer to the Safety Data Sheet for detailed storage instructions.

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## DOSAGE

Typical concentrations for Luperox® K1 G VR are from 1 to 3% by weight based on resin and for cobalt accelerator from 0,25% to 4% based on 1% metal content solution. Faster reaction and shorter demold times can be obtained by the addition of promoters such as dimethyl aniline or diethyl aceto-acetamide to the cobalt accelerator.

## CURING PROPERTIES

The factors to be considered in selecting the optimum initiator / accelerator system are:

1. Process
2. Resin type
3. Required gel time or pot-life
4. Part thickness
5. Room temperature
6. Nature and quantity of additives
7. Dosage optimization between peroxide and accelerator.

## STANDARD PACKAGING

25 kg drums and 4 \* 5 kg

## SAFETY - HAZARD

Please consult the Safety Data Sheet before using the product.

## STORAGE - HANDLING

Product can be stored minimum three months after receiving date, if kept in appropriate conditions and below its maximum storage temperature. Refer to the Safety Data Sheet for detailed storage instructions.

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