

## NOROX®KP-200

Methyl ethyl ketone peroxide  
CAS#1338-23-4  
Liquid mixture

### Description

NOROX®KP-200 is a methyl ethyl ketone peroxide in phlegmatizer for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerators.

### Technical Data

Appearance	Colourless and clear liquid
Active oxygen	9.5 %
PH	4 - 7
Density at 20 °C	1.12 – 1.16 g/cm <sup>3</sup>
Viscosity at 20 °C	9 - 15 mPa.s
Flash point (Seta Flash):	> 60 °C
Soluble in	Oxygenated organic solvents
Slightly soluble in	Water
Critical temperature (SADT)	60 °C
Recommended storage temperature	Max 30 °C.
Maintenance of activity at 30 °C as from date of delivery	6 months

### Application

NOROX®KP-200 is a high active MEKP which means the active oxygen and hydrogen peroxide level is higher, which is suitable when you want to speed up your gel and cure time. NOROX®KP-200 is a reliable product which gives consistent performance in every system. Suitable applications are: Hand lay-up, spray-up, continuous laminating, centrifugal casting, filament winding and polyester concrete.

A single MEKP initiator formulation cannot provide optimum results in all resin systems. Evaluation of each MEKP in each resin intended for use is absolutely essential before full-scale manufacturing is attempted.

## Measurements

### CURE CHARACTERISTICS

In order to give a guideline of the performance of NOROX®KP-200, curing tests was done on two types of UPR resins to show the difference in gel time and reactivity compared to other MEKP's.

Resin 1: Orthophthalic polyester      Temperature: 20°C  
Initiator %: 1.5      Accelerator %: 1% (1% cobalt)

Initiator	Gel time Min	Time to peak min	Peak exotherm temp °C
NOROX®KP-9	13	29	121
<b>NOROX®KP-200</b>	<b>9</b>	<b>22</b>	<b>126</b>
NOROX®SG-10	7	22	125

Resin 2 : pre accelerated DCPD-Ortho polyester  
Temperature: 23°C  
Initiator %: 2.0

Initiator	Gel time Min	Time to peak min	Peak exotherm temp °C
NOROX®KP-9	50	84	101
<b>NOROX®KP-200</b>	<b>41</b>	<b>69</b>	<b>104</b>

## Standard Packaging

The standard package sizes of NOROX®KP-200 is 25 kg polyethylene bottles.

## Disclaimer

This information and all further technical advice are reflecting our present knowledge and experience based on internal tests with local raw materials with the purpose to inform about our products and applications. The information should not be construed as guaranteeing specific properties of products described or their suitability for a particular application, nor as providing complete instructions for use. The information implies no guarantee for product and shelf life properties, nor any liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. We reserve the right to make any changes according to technological progress or further developments.

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