

# NOROX<sup>®</sup> MEKP-925

## DESCRIPTION

NOROX<sup>®</sup> MEKP-925 has a high MEKP dimer content that gives excellent performance in most vinyl ester resins. NOROX<sup>®</sup> MEKP-925 also performs well when used with general purpose ortho and isophthalic resins.

## TYPICAL PROPERTIES

Active oxygen content:	8.8 - 9.0 %
Free hydrogen peroxide content:	1.1 - 1.3 %
Water content:	< 1.5 %
Appearance:	Colourless and clear liquid
Density at 20°C:	1.11 - 1.14 g/cm <sup>3</sup>
Viscosity at 20°C:	22 - 25 mPa.s
Flash point:	> 75°C (Method: Seta closed cup)
SADT:	65°C
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water
Storage temperature:	Max 25°C

## APPLICATION

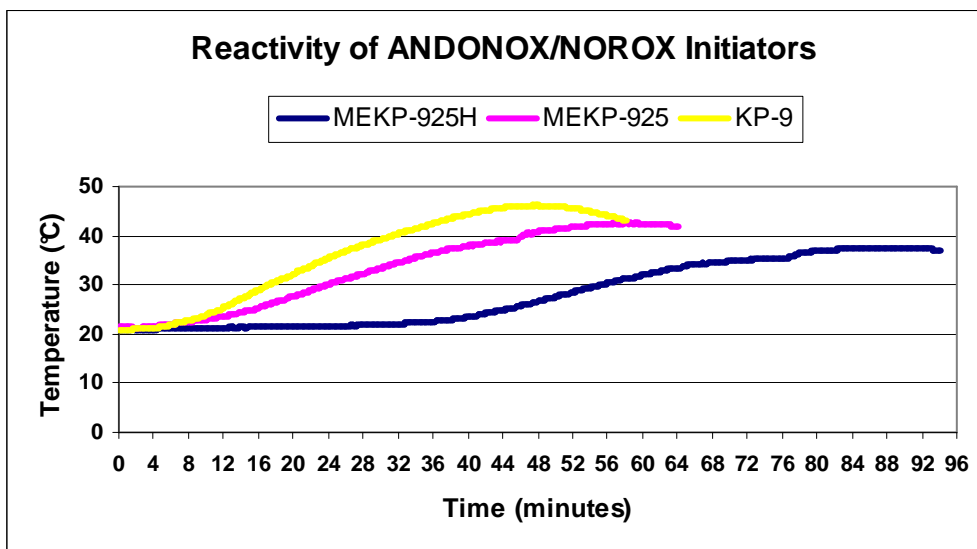
NOROX<sup>®</sup> MEKP-925 gives the possibility to cover all resin types in a production with one product, to be used for vinyl ester resins, standard polyesters and gelcoats. The relatively low hydrogen peroxide level in NOROX<sup>®</sup> MEKP-925 often requires that the resin promotion system has to be modified for polyester resins to obtain reasonable gelltimes. With most vinyl esters NOROX<sup>®</sup> MEKP-925 gives a complete cure. Suitable applications are: hand-lay & spray-up, vacuum infusion processes. 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.

## CURE CHARACTERISTICS

A reactivity test with an unsaturated polyester resin gave the following results:

Resin: Orthophthalic polyester      Temperature: 21°C  
 Initiator %: 1.0      Accelerator %: 1% (1% cobalt)

Initiator	Gel time Min	Time to peak Min	Peak exotherm temp °C
NOROX MEKP-925H	41	88	38
<b>NOROX MEKP-925</b>	<b>15</b>	<b>59</b>	<b>43</b>
ANDONOX KP-9	11	48	47



A reactivity test with an epoxy vinyl ester gave the following results:

Resin: Pre-accelerated epoxy vinyl ester      Temperature: 25°C  
 Initiator %: 1.5

Initiator	Gel time min	Time to Peak min	Peak Exotherm temp °C	Gassing ml
ANDONOX KP-9	24	62	113	7.0
<b>NOROX® MEKP-925</b>	<b>18</b>	<b>41</b>	<b>134</b>	<b>2.0</b>
NOROX® MEKP-925H	18	39	128	0.9

## PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX<sup>®</sup> MEKP-925 are 5 kg and 25 kg polyethylene bottles.
- NOROX<sup>®</sup> MEKP-925 is available pre-dyed in 25kg bottles. Please see Syrgis Performance Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific NOROX<sup>®</sup> MEKP-925 Safety Data Sheet (SDS) under section 14 & 15, shipping & regulatory information. **NOTE:** SDS's for all Syrgis Performance Initiators products may be requested by contacting the company.
- NOROX<sup>®</sup> MEKP-925 is available through a global distributor network. Call Norac for the name of the distributor in your area.

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