

ANDONOX MEC

DESCRIPTION

ANDONOX MEC is a colourless solution of methyl ethyl ketone peroxide and cyclohexanone peroxide in phlegmatizer. ANDONOX MEC was developed to give excellent cure performance in low and average temperature conditions when used as an initiator with gelcoats & unsaturated polyester resins.

TYPICAL PROPERTIES

Active oxygen content:	9.6 – 9.8%
Hydrogen peroxide content:	0.8 – 1.0%
Water content:	< 1.5 %
Appearance:	Colourless and clear liquid
Density at 20°C:	1.12 - 1.15 g/cm ³
Viscosity at 20°C:	17 - 29 mPa.s
Flash point (Seta closed cup):	> 80°C
SADT:	65°C
Soluble in:	Oxygenated organic solvents
Insoluble in:	Water
Storage temperature:	Max 25°C

APPLICATION

ANDONOX MEC should be considered for the cure of gelcoats & topcoats when optimum curing and surface finish is needed. The advantages, compared to standard MEKP formulations include:

1. The very high purity and absence of impurities (water, hydrogen peroxide, un reacted methyl ethyl ketone and other diluents) will reduce the risk of blister and micro porosity formation to a minimum
2. The hydrophobic nature of ANDONOX MEC provides improved mixing and resin compatibility.
3. Shorter gel to cure time in many resins.
4. Less sensitive to low operating temperatures.
5. Excellent smoothness and uniformity in the cure cycle.

ANDONOX MEC will also give good performance with cobalt accelerated unsaturated polyester and again at low working temperatures. The high purity level also gives better storage stability.

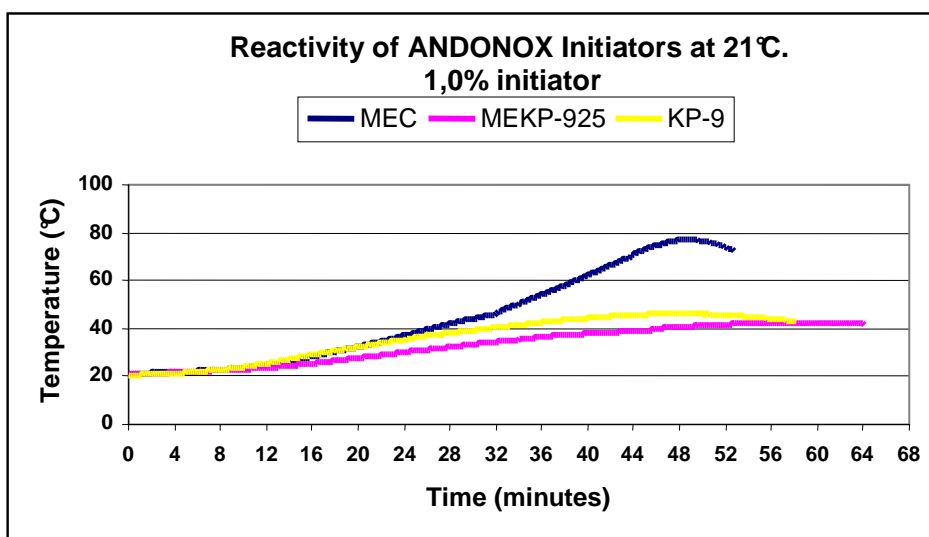
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CURE CHARACTERISTICS

A curing test with a gelcoat gave the following results:

Gelcoat: Low VOC white gelcoat
Conditions: 1,5 % initiator, 20°C, Barcol was done on 2,5mm thick castings

Initiator	Gel time / min	Gel-to-cure time / min	Barcol development			
			2h (935)	3h (935)	4h (935)	24h (934-1)
ANDONOX MEC	34	47	42	58	63	23
ANDONOX KP-9	45	62	15	48	59	22
NOROX MEKP-925	42	59	17	51	61	23



PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of ANDONOX MEC are 5 kg and 25 kg polyethylene bottles.
- ANDONOX MEC is available pre-dyed in 25kg bottles. Please see Syrgis Performance Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific ANDONOX MEC 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.
- ANDONOX MEC is available through a global distributor network. Call Syrgis Performance Initiators for the name of the distributor in your area.

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