

ANDONOX 70:30

DESCRIPTION

ANDONOX 70:30 is a mixture of ketone peroxides with dimethyl phthalate as a phlegmatiser. ANDONOX 70:30 is an initiator for the curing of most polyester resins at both room- and elevated temperatures.

TYPICAL PROPERTIES

Active oxygen content:	5.6 ± 0.1 %
Appearance:	Slightly yellow and clear liquid
Density at 20°C:	1.10 – 1.13 g/cm ³
Viscosity at 20°C:	15 - 26 mPa.s
Flash point (Seta Flash):	> 65°C (Method: Seta Flash)
SADT:	60°C
Soluble in:	Oxygenated organic solvents
Insoluble in:	Water
Storage temperature:	Max 25°C and Min -10°C

APPLICATION

ANDONOX 70:30 is an extremely effective initiator in most resin systems. Gel time is general similar to standard MEKP as ANDONOX KP-9 but the time from gel to cure is much faster. ANDONOX 70:30 is best suited for singly promoted resins using cobalt promotion alone. The dosage of ANDONOX 70:30 depends on various factors such as; resin reactivity, accelerator type and amount, process temperature and production process. We recommend a dosage level of 1-3% by resin weight and a workshop temperature not lower than 15°C. Small amounts of an inhibitor could be used to get longer gel time but in general high inhibitor levels are usually not desirable, some quaternary ammonium salts can cause yellowing of the resin.

ANDONOX 70:30 is suitable for the curing of resins when fast curing and a short de-moulding time is required. Suitable applications are: Hand lay-up, spray-up, RTM, continuous laminating, centrifugal casting, filament winding and polyester concrete.

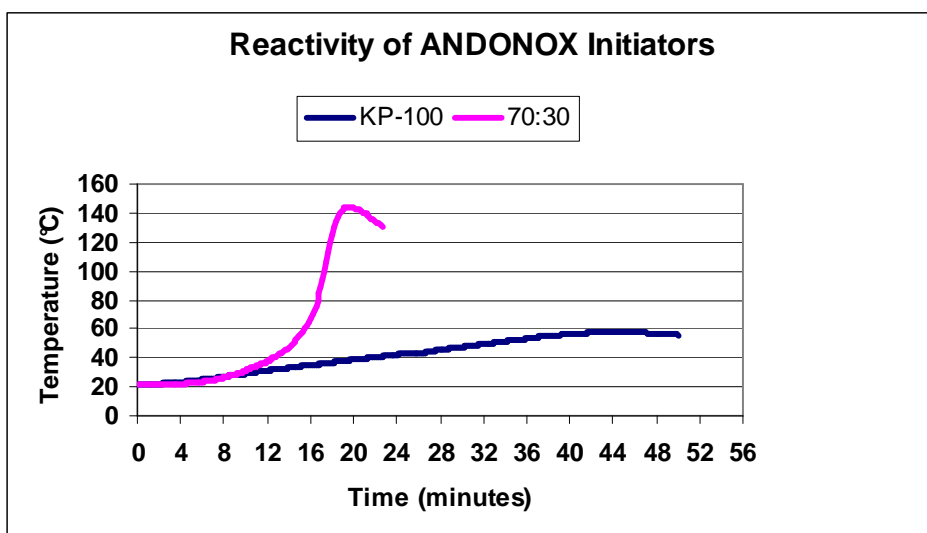
Andonox 70:30 is not recommended for hot cure systems or gelcoats.

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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
ANDONOX 70:30	7	20	144
ANDONOX KP-100	8	45	58



PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of ANDONOX 70:30 are 5 kg and 25 kg polyethylene bottles.
- ANDONOX 70:30 is available pre-dyed in 25kg bottles. Please see Syrgis Performance Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific ANDONOX 70:30 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 70:30 is available through a global network. Call Syrgis Performance Initiators for the name of the distributor in your area.

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