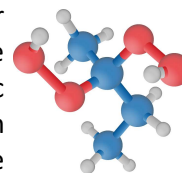


METOX-50WP40

Date of update: May 25, 2017

Metox-50WP40 is a peroxide initiator used for copolymerization of unsaturated polyester resins. It is mainly applied in the presence of cobalt accelerators at ambient temperature. The initiator presents similar gel time to Metox-50W. It is recommended as a hardener for polymeric concrete, some unfilled varnishes and others. It can be used in hand lay-up and spray lay-up. In comparison with Metox-50W it presents shorter gel time, which enables quicker moving the product from the mold.



Product description	Methyl ethyl ketone peroxides and acetyl acetone peroxide in dimethyl phthalate and diacetone alcohol
Appearance	Clear, colorless or light yellow solution
Active oxygen	7,4 ÷ 7,7%
Peroxides	20 ÷ 26%
Water content	Approximately 3,3%
Density at 20°C	1,135 ÷ 1,142 g/cm ³
Solubility	Phthalates, diacetone alcohol
Slightly soluble in	Water
SADT	50°C
Recommended storage temperature	0 - 25°C
Hazards	Oxidizing agent, decomposes rapidly under the influence of heat, mechanical impurities or by contact with reducing agents. Never mix hardener with accelerator.
<i>Recommended precautions and first aid measures - see Material Safety Data Sheet for the mixture.</i>	

Copolymerization process: resin (100g) - hardener (2g)

Hardener	Gelling time	The highest temperature	Time to temperature peak
	[min]	[°C]	[min]
METOX-50WP40	24-25	165,6-170,4	37-39
METOX-50W	27-28	145,0-149,4	46-48
METOX-50WR	26-28	143,4-150,2	45-49

Data for the resin used: orthophthalic unsaturated polyester, thixotropic – preaccelerated, low styrene emission.

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