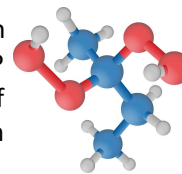


# METOX-BW85

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METOX-BW85 is a peroxide initiator, based on 2-butanone peroxide in phthalate plasticizer. In comparison with standard MEKP it presents less hydrogen peroxide and water, as well as more MEKP dimer. METOX-BW85 can be applied for curing of unsaturated polyester resins (UPR), gelcoats and of A bisphenol based and novolac based vinyl ester resins in the presence of cobalt accelerator or in cobalt-amine system. Applying the second accelerating system the gel and cure time can be shorter.



For a standard orthophthalic resin, the initiator presents longer gel time as compared to a standard initiator METOX-50W. The initiator is recommended for the production requiring long gel time and during the summer period, when using standard MEKP causes too short gel time. The use of standard MEKP for curing may be insufficient due to foaming. This effect is caused by hydrogen peroxide. In METOX-BW85 its contents was lowered, giving reduction of foaming.

Product description	2-butanone peroxide in diisononyl phthalate
Appearance	Clear, colorless solution
Active oxygen	8,4 ÷ 8,6%
Peroxides	33 ÷ 36%
Water content	Approximately 0,5%
Density at 20°C	1,013 ÷ 1,020 g/cm <sup>3</sup>
Solubility	Phthalates
Slightly soluble in	Water
SADT	60°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. <b>Never mix hardener with accelerator.</b>

*Recommended precautions and first aid measures - see Material Safety Data Sheet for the mixture.*

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

Hardener	Gelling time	The highest temperature	Time to temperature peak
	[min]	[°C]	[min]
METOX-BW85	30-31	163,8-167,0	47-51
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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