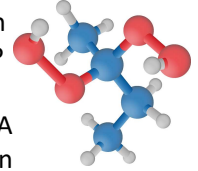


# METOX-BW90

Date of update: May 15, 2017

METOX-BW90 is a peroxide initiator, based on 2-butanone peroxide in phthalate plasticiser. In comparison with standard MEKP it presents less hydrogen peroxide and water, as well as more MEKP dimer.



METOX-BW90 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. In comparison with METOX-BW85 it presents shorter gel time.

The use of standard MEKP for curing may be insufficient due to foaming. This effect is caused by hydrogen peroxide. In METOX-BW90 its contents was lowered, giving reduction of foaming.

Product description	2-butanone peroxide in diisononyl phthalate
Appearance	Clear, colorless solution
Active oxygen	8,7 ÷ 9,1%
Peroxides	33 ÷ 36%
Water content	Approximately 1,0%
Density at 20°C	1,017 ÷ 1,025 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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