

# METOX-50W/METOX-50WR\*/Metox-50WR25\*

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Metox-50W/Metox-50WR/Metox-50WR25 are peroxide initiators of copolymerization of unsaturated polyester resins. They are used mainly with cobalt accelerators to cure at ambient temperature. Suitable for manual and spray lamination. They can be used eg for the production of polymeric concrete. Compared to the Metox-50 hardener, they exhibit slightly longer gelling times. Owing to its reduced water content, Metox-50W is recommended for curing gelcoats, certain polyester lacquers and others.



Product description	2-butanone peroxide in dimethyl phthalate
Appearance	Clear, colorless solution * Clear, red solution
Active oxygen	8,5 ÷ 8,9%
Peroxides	30 ÷ 35%
Water content	Approximately 2,0 %
Density at 20°C	1,170 ÷ 1,176 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>
<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-50	24-26	153,0-159,4	41-45
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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