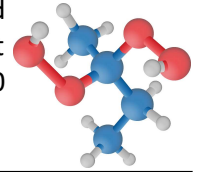


# METOX-50S/METOX-50SR\*

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Metox-50S/Metox-50SR are peroxide initiators used for copolymerization of unsaturated polyester resins. They are used mainly applied in the presence of cobalt accelerators at ambient temperature. They can be used in hand lay-up and spray lay-up. In comparison with Metox-50 they presents shorter gel time.



|   |  |
|---|--|
| Product description   | Methyl ethyl ketone hydroperoxides in phthalate plasticizer  |
| Appearance  | Clear, colorless solution<br>* Clear, red solution   |
| Active oxygen   | 9,3 ÷ 9,8%   |
| Peroxides   | 29 ÷ 35%   |
| Water content   | Approximately 3,9 %  |
| Density at 20°C   | 1,175 ÷ 1,180 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-50S | 28-29        | 130,2-132,2             | 40-42                    |
| METOX-50  | 24-26        | 153,0-159,4             | 41-45                    |

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

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