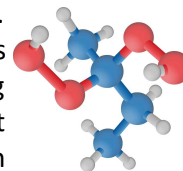


# BETOX-50PC

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version 2.0

Betox-50PC is a peroxide initiator used for copolymerization of unsaturated polyester resins. It is applied for curing resins, containing amine accelerator at temperature to 80°C. Above this temperature it may be applied without accelerator. It is especially recommended for curing polyester putties, resin concretes and hot molding of polyester resins. Using this product enables to obtain short gel and cure time. Appropriate curing is also obtained at lower than ambient temperatures.



Product description	50% paste of benzoyl peroxide in dibutyl maleate
Appearance	White, red or green paste
Peroxides	49 ÷ 51%
Water content	Approximately 16,5 %
Density at 23°C	1,14 g/cm <sup>3</sup>
Viscosity, 22°C (Brookfield HB, SC4-28, 15RPM)	68000 ÷ 135000 mPas
Viscosity, 20°C (Sheen)	80 ÷ 110 g/cm
Solubility	Ethyl acetate – (partially), chloroform, acetone
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. <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 (1,5g/2g)

Hardener	Gelling time	The highest temperature	Time to temperature peak
	[min]	[°C]	[min]
BETOX-50PC (1,5g)	9-11	107-110	17-18
BETOX-50PC (2g)	7-9	114-120	19-21

Data for the resin used: styrenic DCPD-modified unsaturated polyester resin, amine (polymeric) promoted, with high reactivity and high stability properties.

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