

ISO-NPG GELCOAT G-3-A



Tixotroped Unsaturated Polyester Resin

- Description:** It is thixotropic, accelerated, high quality, neopentylglycol isophthalic based unsaturated polyester resin, contains special additive for UV-resistance.
- Use:**
- For production of sanitary articles from polymer marble, requiring high chemical and mechanical stability and UV- resistance.
 - For production of sanitary articles from polymer marble, requiring high flexibility and water resistance.
 - For external decorative layout (face layer) of sanitary articles.
 - The hardening occurs by the addition of 2% MEKP-50 (Butanox M-50)
- Classification:** Meets the requirements of the EU legislation.

CHARACTERISTICS

INDEXES	NORM
Appearance after stirring: (Visually)	Pink-coloured thixotropic liquid
Non-volatile content, 125°C/1 h: (BNS EN ISO 3251)	55±2 %
Viscosity Brookfield at 23°C, sp. 4, 10 rpm: (ISO 2555)	6 000-8 000 mPa.s
Gelling time at 23°C: (BNS ISO 2535)	6-13 min.

Thixotropic index
sp.4, 2/20 rpm:
 (ASTM D 2196-05 (B))

min. 5,0

OTHER DATA

Density at 20°C:
 (BNS ISO 2811-1)

1,1 g/cm³

Flash point, closed cup:
 (BNS ISO 2719)

32°C

Application:

ISO-NPG Gelcoat G-3-A has to be homogenized well before use. It is curing with following hardening system.

Add to 1000 g resin 20 g MEKP-50 Hardener (Butanox M-50), homogenize the mixture well and then use for preparation of details. Mixture pot life is from 6 to 13 minutes and depends on the resin temperature, as the process of gelling accelerates at a temperature higher than 23°C, and the lower temperature retards gelling time.

Method of application: With spray pistol

Cleaning of the tools: Aceton , Butylacetate , Ethylacetate, Nitrocellulose diluent

Packaging: In metal cans

Storage:

ISO-NPG Gelcoat G-3-A is stored in tightly closed packaging in sheltered, dry and fire protected storage areas, away from direct sunlight at temperatures of up to 25°C. Prolonged storage can reduce the effect of the accelerator. An addition of 0.5-1.0% Co-1% may be necessary to restore the original potlife.

Shelf life – 4 months from production date in factory-sealed packaging.

Hygiene, safety work and ecology:

Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of ISO-NPG Gelcoat G-3-A. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed.

The present technical description has the purpose to inform the clients on the quality of our product. The data herein is based on our present best knowledge. We invite our clients before work to check the quality of the product or its adaptation to the base and to make an experimental application. Our clients must be sure, that the present technical description hasn't been changed or replaced by a newer edition.

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