

VINALKYD 620 PE – TALV - 1



Orthophthalic unsaturated polyester resin

Description: It is low viscosity, thixotropic , accelerated , medium reactive , orthophthalic unsaturated polyester resin

Use: Applied for production of sanitary articles from fibre glass, suitable for acrylic sheet application. The hardening is carried by addition of 1% MEKP-50 (Butanox M-50). Reinforcement is achieved by using glass fibres up to 50% in several layers.

Properties:

- Has excellent PMMA adhesion (acrylic base);
- It can be applied after gel coat;
- Can be pigmented;
- Can be filled with fillers – type carbonates ;
- Very good fibreglass wetting properties
- Applied by spray gun;
- It does not flow down, when applied on vertical surface;

Classification: Meets the requirement of EU legislation.

Characteristics

Properties	NORM
Appearance : (visually)	Pink colored thixotropic liquid
Non-volatile content 125°C/1h: (BNS EN ISO 3251)	60 ± 1 %
Gel time at 25°C: (BNS ISO 2535)	7 - 14 min
Viscosity at Brookfield 25°C(sp.2/12rpm): (ISO 2555)	300 - 500 mPa.s
Thixotropic index(sp.3, 5/50rpm): (ASTM D 2196-05 (B))	min 1,0

Other details

Acid number: (BNS EN ISO 3682)	max 20 mg.KOH/g
Viscosity at Brookfield , 23°C (sp.4/50rpm):	400 – 600 mPa.s
Density at 20°C: (BNS ISO 2811-1)	1,1 g/cm ³
Flash point: (BNS ISO 2719)	32°C
Modifications:	B (blue colored (peroxide indicator))
Application:	<p>Vinalkyd 620 PE-TALV-1 has to be homogenized well before use. It is curing with following hardening system: Add to 1000g resin 10 g MEKP-50 (Butanox M-50). The mixture must be well homogenized and then used for preparation of the details. The viability of the mixture is from 7 to 14 minutes and depends on the temperature of the resin, as the process of gelling accelerates additionally at temperature higher than 25°C, however low temperature decelerates the time of gelling. Recommended post-curing of resin: 2h at 35-40 °C.</p>
Packaging:	In metal conic boxes; metal barrels; plastic containers; cisterns from stainless steel.
Storage:	<p>The packed unsaturated polyester resin is stored in closed, dry and fire prevented storage areas, protected from direct sunlight, at temperature up to 25 °C. Storage shelf life - 3 months from the production date.</p>
Hygiene, safety work and ecology:	Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of Vinalkyd 620 PE-TALV-1. 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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