

VINALKYD 550 PE-TALV 2



Unsaturated polyester resin

- Description:** It is low viscose, thixotropic, preliminary accelerated, orthophthalic, medium reactivity unsaturated polyester resin.
- Use :** Applied for production of articles from glass fibre, that find its application in boat constructions, in household, constructions and industry. The hardening is made by addition of 2 % MEKP-50 (Butanox M-50).The reinforcement is made by glass mat up to 60 % in several layers.
- Properties :**
- Could be applied after gel coat G-2;
 - Could be pigmented with organic and inorganic pigments;
 - Very good wetting properties of the glass mat;
 - Does not flow down, applied on vertical surface;
 - On the last coat could be applied topcoat.
- Classification :** Complies with requirements of EU legislation.

CHARACTERISTICS

INDEXES	NORM
Appearance after stirring: (visually)	Pink coloured thixotropic liquid
Non-volatile content, 125°C/1h: (BNS EN ISO 3251)	56 ± 1 %
Gelling time at 23°C: (ISO 2535)	5 - 10 min
Viscosity Brookfield at 23°C (sp.2, 12rpm): (ISO 2555)	800-1000 mPa.s
Tixotropy index (sp.3, 5/50 rpm): (ASTM D 2196-05 (B))	min 2,4

OTHER DETAILS

Density at 20°C: (BNS EN ISO 2811-1)	1,1 g/cm ³
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Acid number: (BNS EN ISO 3682)	max 26 mgKOH/g
Flash point, in covered pot: (BNS EN ISO 1523)	34°C
Modifications:	B (blue colored (peroxide indicator)) LE (low styrene emission)
Application:	Unsaturated polyester resin Vinalkyd 550 PE - TALV 2 hardens with the following hardening system: To 1000 g of a resin add 20 g MEKP-50 (Butanox M-50), the mixture shall homogenize well and then it is used for preparation of the articles. Pot life of the mixture is from 5 to 10 minutes and depends on the temperature of the resin as the process of jelling is additionally accelerated at temperature higher than 23°C, and the lower temperature slows down the jelling time.
Packaging :	- Cans metal conic 22 L; - Metalplated drums of 200 L; - cisterns from stainless steel.
Storage:	Store the tightly closed packaging of unsaturated polyester resin in closed, dry and fire proof storage premises, with no access of direct sunlight at temperature up to 25°C. Shelf life - 3 months from date of production in fabrically closed packaging.
Hygiene, safety work and ecology:	Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of Vinalkyd 550 PE - TALV 2. 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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