

VINALKYD 550 PE-TALV 1



Unsaturated Polyester Resin

- Description:** It is a low viscosity, thixotroped, previously accelerated, orthophtalic, with medium reactivity unsaturated polyester resin.
- Use:** Applied for production of fibreglass articles used for boat construction, household, building and industry purposes. The hardening is carried by addition of 2% MEKP-50 (Butanox M-50). Reinforcement is made by glass-fibre addition up to 60 % in several layers.
- Properties:**
- It can be applied after Gelcoat;
 - It may be pigmented with organic and inorganic pigments;
 - Very good wetting properties of glass-fibre;
 - It does not flow down, when applied on vertical surface;
 - On the last coat can be applied Topcoat.
- Classification:** Meets the requirements of EU legislation.

CHARACTERISTICS

INDEXES	NORM
Appearance: (visually)	Pink colour tixotropic liquid
Non-volatile content, 125°C/1h: (BNS EN ISO 3251)	57 ± 1 %
Gelling time at 23°C (2% MEKP-50): (ISO 2535)	15-25 min
Viscosity Brookfield at 23°C(sp.2, 12 rpm): (ISO 2555)	1100-1300 mPa.s
Thixotropic index(sp.3, 5/50 rpm): (ASTM D 2196-05(B))	min 2,4

OTHER DATA

Density at 20°C:
(BNS EN ISO 2811-1)

1,1 g/cm³

Flash point, covered pot:
(BNS ISO 2719)

34°C

Acid number:
(BSS EN ISO 3682)

max 26 mg KOH/g

Application:

Unsaturated polyester resin Vinalkyd 550 PE-TALV 1 has to be homogenized well before use. It is curing with following hardening system.
Add to 1000 g resin a 20 g MEKP-50 (Butanox M-50). The mixture should be well homogenized and then used for preparation of the details. The viability of the mixture is from 15 to 25 minutes and depends on the temperature of the resin, as the process of gelling accelerates additionally at temperature higher than 23°C, however low temperature decelerates the time of gelling.

Packaging:

In metal conic boxes; metal barrels, cisterns from stainless steel

Storage:

Store the packed unsaturated polyester resin in sheltered, dry and fireproof warehouses, protected from direct sunlight, at temperature up to 25°C.
The product has to be homogenized well before use.
Prolonged storage or storage outside of recommended conditions can influence on liquid resin properties like viscosity and gel time. An addition of 0,5-1,0% Co-1% may be necessary to restore the original potlife.
Storage shelf life - 4 months from the production date.

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 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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