

Vinalkyd 901 R-TA-B



Orthophthalic unsaturated polyester resin

Description: It is tixotroped, previously accelerated, orthophthalic based, medium reactivity unsaturated polyester resin. The resin contains a peroxide indication system, which effects a color change from bluish to pale green after addition of catalyst.

Use: Applied for production of fibreglass articles used for boat construction, different moulded parts for building and industry purposes. The hardening is carried by addition of 2% MEKP-50 (Butanox M-50).

- 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

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Appearance: (visually)	Bluish-colored tixotropic liquid
Non-volatile content, 125°C/1h: (BNS EN ISO 3251)	58 ± 1,5 %
Viscosity Brookfield at 25°C (sp.2/20rpm): (ISO 2555)	500-600 mPa.s
Tixotropic index at 25°C (sp.3, 5/50rpm): (ASTM D 2196-05 (B))	min 2,8
Gel time at 25°C: (2 % MEKP-50) (Test method)	23-33 min

Temperature maximum: min. 163°C
 (2 % MEKP-50)
 (Test Method)

Other data

Density at 20°C: 1,1 g/cm³
 (BNS EN ISO 2811-1)

Acid number: max 26 mgKOH/g
 (BNS EN ISO 3682)

Flash point: 34°C
 (BNS ISO 2719)

Application: Unsaturated polyester resin Vinalkyd 901 R-TA-B has to be homogenized well before use. It is curing with following hardening system: Add to 1000 g resin 20 g MEKP (Butanox M-50). The mixture must be well homogenized and then used for preparation of the details. The viability of the mixture is from 23 to 33 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.

Packaging: In metal conic boxes; metal barrels; cisterns from stainless steel

Storage: 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.
 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 pot life.
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 901 R-TA-B. 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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