Page 1 of 3 Technical data sheet MAY 2014 Cancels and replaces all previous editions

# Vinalkyd 550 PE-TA-LE-B



**Orthophthalic Unsaturated Polyester Resin** 

Description:	unsaturated polyester resin. Cont styrene emissions in a work envir	ted, orthophthalic, medium reactivity ains special additive for decreasing of onment. Provides cured laminate a tack- peroxide indication system, which effects green after addition of catalyst.	
Use: Classification:	body parts, cabins , different m purposes. The hardening is carried	nic and inorganic pigments; f glass-fibre; pplied on vertical surface; les topcoat.	
Characteristics			
Properties		NORM	
<b>Appearance:</b> (visually)		Bluish-coloured tixotropic liquid	
Non-volatile content, 125°C/1h: (BNS EN ISO 3251)		57 ± 1 %	

**Gel time 20°C:** (ISO 2535)

Viscosity Brookfield at 23°C (sp.2/12rpm): (ISO 2555)

1100-1300 mPa.s

30-40 min

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### **Other data**

Density at 20°C: (BNS EN ISO 2811-1)

Acid number: (BNS EN ISO 3682)

**Flash point:** (BNS ISO 2719)

 $1,1 \text{ g/cm}^3$ 

 $\min 2,4$ 

max 26 mgKOH/g

34°C

### **Physical-mechanical properties**

#### Hardening system: 1.5% MEKP-50 Hardening conditions: 24 h at room temperatures Post-curing 16h at 40 °C

INDEX	VALUE
<b>Tensile strength :</b> (BNS EN ISO 527-1,2)	69 MPa
<b>Flexural strength:</b> (BNS EN ISO 178)	117 MPa
Barcol Hardness : ( EN 59 )	45-49
HDT	min.63°C

(BNS EN ISO 75-1,2)
Application: Unsatu

Unsaturated polyester resin Vinalkyd 550 PE-TA-LE-B is curing with following hardening system
Add to 1000 g resin 15 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 30 to 40 minutes and depends on the temperature of the resin, as the process of gelling accelerates additionally at temperature higher than 20°C, however low temperature decelerates the time of gelling.

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 pollife.

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Packaging:	Page 3 of 3 In metal conic boxes; metal barrels and 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. <b>Storage shelf life -</b> 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-TA-LE-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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