

AZUR VT

CHARACTERISTICS

AZUR VT is a cobalt-accelerated, styrene-free polyester resin. It is a low viscosity, thixotropic orthophthalic acid resin for medium duty. The resin is cured with 1 to 3% MEKP hardener. The resin can be used in wet layers up to 7 mm thick.

The resin is also characterised by a limited (peak brake) reaction temperature during curing, so that thicker laminates can also be cured.

FIELD OF APPLICATION

AZUR VT is used for coatings, moulded parts and casting compounds.

With glass fibre reinforcement it is excellently suited for the hand lay-up process and with fillers as casting resin.

Glass fibre reinforced: Elements for boat building and repair, vehicle construction, pool coatings, covers for machine parts, furniture production and in the building industry.

With fillers: Polyester concrete, casting of electrical circuits, casting compounds for artistic works.

PRODUCT DATA

Package:	500 g, 1.0 kg (incl. hardener), 2.0 kg (excl. hardener)
Base:	Vinyl toluene
Colour:	blue
Spezific weight:	1.1 kg/l

PROCESSING

AZUR VT is already pre-accelerated and is generally mixed with 1-3 % MEKP for processing. The processing temperature should be 18 to 25 °C. In general, the resin is used in the delivery form. However, the addition of UP colour pastes (up to 20 % addition) is possible without problems. Processing in the hand lay-up method is usually carried out with a fur roller.

The glass mats and fabrics impregnated with AZUR VT are vented with a window roller. Components and coatings made of AZUR VT must be treated with a TOPCOAT to achieve an adhesive-free surface. The consumption of AZUR VT is calculated from the weight of the glass mats or glass fabric. To determine the quantity, calculate 3 times the weight of glass mats or 1 times the weight of glass fabric. Example: 900 g laminating resin for 1 m² glass fibre mat 300g/m² basis weight. The addition of hardener is controlled by a colour indicator which becomes visible within a few minutes after the MEKP has been added. The chemical resistance of AZUR VT against water, weak acids and alkalis is good at room temperature (post-curing required). After prolonged exposure to chlorinated hydrocarbons, lower ketones and esters and hot aqueous solutions, swelling of the resin can be observed.

PRECAUTIONARY MEASURES

For information on handling and disposal of the products, please refer to the valid safety data sheet and the corresponding information sheets of the Employers' Liability Insurance Association of the Chemical Industry. The above information, in particular, the suggestions for the processing and use of our products are based on our knowledge and experience under normal conditions. Due to the different materials, substrates and deviating working conditions, no guarantee of a work result or liability can be given, regardless of the legal relationship, either from these instructions or from verbal advice, unless we are guilty of intent or gross negligence. In this case, the user must prove that he has provided us in writing in good time and in full with all the information required for a proper and promising assessment. Industrial property rights of third parties must be observed. In all other respects, our respective terms of sale and delivery shall apply. The latest technical data sheet, which should be requested from us, shall apply.

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