

Ultimeg 2000/520 is a solventless, DAP⁽¹⁾-based polyester resin impregnating varnish for electric motors, transformers and most coils.

The varnish is suitable for submersion, immersion and vacuum press impregnation (VPI). Very good drainage, leaving minimal deposits in, for example boreholes. High heat dissipation and excellent protection against moisture.

The varnish exhibits very good electrical, mechanical and chemical resistance properties. Good adhesion characteristics and high strength in temperatures up to Class H (180°C).



Typical applications

Suitable mainly for electric motors, transformers and most coils. Suitable for submersion, immersion and VPI-impregnation. Curing takes place in an oven.

Properties

- Good drainage.
- High heat dissipation.
- Excellent protection against moisture.

Composition

DAP-based polyester resin.

Colours

Straw-coloured.

Packaging

25 and 230 kg.

Approvals, standards

Class H-UL file number E220579 and E321249.

Article list

Item number	Product name	Packaging
108313	Ultimeg 2000/520	25 kg
126010	Ultimeg 2000/520	230 kg

Technical data

- Flash point: 166°C
- Density: 1.18 g/cm³.
- Volatility 95%.
- Viscosity at 25°C: 6 poise.
- Drying time:
 - 130°C: 3 h
 - 140°C: 2 h.
 - 150°C: 1–2 h(Note: the actual curing time is dependent on the size and type of object and oven efficiency. The curing time should always be calculated starting only when the object reaches the desired curing temperature.)
- Application: Dip and vacuum impregnation. (Note: pre-heating max 50°C).
- Storage stability: 12 months at 20°C, should not be exposed to direct sunlight.
- Bond strength at 20°C: 63.6 kg.
Bond strength at 130°C: 29.5 kg.
- Dielectric strength: 1570 V/0.01 mm.
- Thinning is achieved by adding new varnish. Note! Not xylene.
- PH-values: 6.8–7, neutral.
- Safety data sheet complies with applicable rules for Sweden.

Workshop practice

Preheated objects should cool to ca 50°C prior to impregnation. Impregnated components should not come in contact with solvent-based products before, during or after the impregnation.

Regular replenishment of new impregnating varnish is recommended to maintain stability. Recommended annual replenishment of ca 30% of the total amount in the varnish tank.

(1) Diallyl phthalate

How to contact BEVI

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