

ULTRA TRANSPARENT GLOSSY CASTING EPOXY

VX100.00/VX101.00



Read the technical data sheet

PRODUCT DESCRIPTION

VX100.00/VX101.00 Ultra Transparent Glossy Casting Epoxy is solvent free modified epoxy based, excellent bonding strength, chemical and physical high-resistance, ultra-transparent and low-density varnish.

FEATURES

- Excellent yellowing resistance
- High gloss level before and after polish application
- High scratch resistance on surface may occur over time
- Minimum foam formation
- Easy sanding
- Excellent spreading and surface wetting
- Excellent adhesion strength after application
- High resistance to capillary cracking



Stir

RECOMMENDED USES

Suitable for casting type in all wood applications, three-dimensional applications, hobby use, mold and impregnation.

PRODUCT SPECIFICATIONS

Product Type	:Epoxy
Specific Gravity (kg/l)	:1,13 ± 0,03
Solid Content (% by weight)	:99-100
Theoretical Coverage Area *(l/m²)	:1,00 - 1,10
Recommended Dry Film Thickness	:10000µm - 30000µm

The recommended film thickness varies depending on the application method, seasonal conditions and surface properties. In multi-layer applications, it is recommended that the application thickness per layer must be max. 30000µm.

Drying Time (45-65 % RH)

Thickness	10-25 °C		25-40 °C	
	(2 cm)	(3 cm)	(2 cm)	(3 cm)
Dust free	:18 h	20 h	16 h	18 h
Touch dry	:24 h	28 h	20 h	24 h
Time for over-coat/ multi-coat applications	:24 h	26 h	22 h	24 h
Stackable	:6-7 day	6-7 day	5-6 day	5-6 day

**Drying times may vary depending on temperature, humidity, film thickness, color and air movement. It is recommended to contact technical personnel in applications over 40 °C.*

COLOR & GLOSS OPTIONS

Product	Product Code
Ultra Transparent Glossy Casting Epoxy	VX100.00/VX101.00
Color	Color Code
Transparent	0000

SURFACE PREPARATION

Oil, grease, dust, dirt, rust, paint, oxides, corrosion products, other impurities and moisture present on the surface must be removed. Wood to be cast must be dried and moisture content must be maximum 4%.

MIXING RATIO

Description	Code	by weight (%)	by volume (%)
Ultra Transparent Glossy Casting Epoxy	VX100.00	100	100

Epoxy Hardener	HX100.00	28	33
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Description	Code	by weight (%)	by volume (%)
Ultra Transparent Glossy Casting Epoxy	VX101.00	100	100

Epoxy Hardener	HX100.00	33	40
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Before usage, stir well and check homogeneity.

APPLICATION

Pot life time varies according to the volume of the container.

If you want to apply thick layers, it must be know potlife and drying time will be short.

The product can stay on vacuum machine (for foaming process) max. 15 minutes.

Mix until homogeneous. Maintain proper mixing ratio.

First, the hardener (HX100) is poured into the case to be mixed. The product (VX100/VX101) is added slowly after the hardener is added. Quick or machine mixes increase the amount of foam. The mixed product must be rest for 45-60 minutes before starting the casting process. If there are decorative pieces such as wood, apply products to these pieces with a brush before casting, it prevents the formation of micro foam. It is enough to wait 2-3 hours after brush application.

Application Conditions: Ambient humidity between 10 and 85%, application temperature minimum 10 °C. Applied surface will be available at 20°C, after 7 days.

For different effects and colors; pearl paste (PM901.00.0800), metallic paste (PM901.00.XXXX) and Gençmix (ZD900.00.XXXX) can be added.

Technically; pearl and metallic paste can be added up to 3% but the recommended amount is 0.5%.

As long as pastes and gençmix ratio do not exceed % 1, drying time is not change much.

Most effective factor of drying time is thickness of the applied product. Thicker layer dry faster.

Application Equipment

No special tools required. Casting

Data provided on this Technical Data Sheet correspond to our best knowledge and experience. We assure consistency on the chemical-physical characteristics of our products, within the tolerance limits specified on our Technical Data Sheets. Responsibility of final result of product application is fully up to the users, who shall make sure that the product corresponds to their own needs with regard to application system, to substrates used as well as to working conditions.

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STORAGE & HANDLING

Store in a cool, dry place and away from heat.

Close all containers after use.

Shelf life is 2 years if stored under specified conditions.

HEALTH & SAFETY

For full Health and Safety information, please refer to Safety Data Sheet

Suitable protective equipment (glasses, gloves and mask,.. etc.) must be worn while using these products

Good ventilation must be provided in the working environment

No smoking during use and should be applied away from devices which causes heat, fire and sparking.

WARNING

Follow all warnings and instructions on the product before use. The painting equipment should be used carefully and according to the manufacturer's recommendations. Low temperatures, poor air circulation or high humidity will extend dry times and they also can affect product performance negatively. Keep out of reach of children.

TRANSPORT INFORMATION

Freight Classification :Epoxy

Packaging :**VX100.00** **HX100.00**
21 kg 6 kg

:**VX101.00** **HX100.00**
2,25 kg 0,75 kg
1,5 kg 0,5 kg