Epiglass HT9000 Epoxy Resin

Epiglass

Epoxy Resin

PRODUCT DESCRIPTION

Epiglass HT9000 Epoxy Resin is a versatile system suitable for a wide variety of tasks on and around the boat. In addition to the high strength and durability associated with epoxy resins: this unique and esy to use formula offers very special features and is available in three different speeds of cure the can accommodate all types of working conditions. Epiglass HT9000 Epoxy Resin can be used for blister repair, sheathing, laminating, filling, fairing and gluing.

* High strength and durability
* Easy sanding
* Easy to use mix ratio of 4:1
* Solvent free and low odor ensuring a cleaner working environment.
* Improved workability to adapt to varying conditions
* Low viscosity for ease of mixing and wet out

PRODUCT INFORMATION

Color	HT9000-Clear
Finish	Gloss
Specific Gravity	1.11
Volume Solids	100%
Mix Ratio	4:1 by volume
Converter/Curing Agent	Resin HT9000 / Cure HT9001 Fast, HT9002 Standard, HT9003 Slow.
Typical Shelf Life	2 yrs
VOC (As Supplied)	0 g/lt
Unit Size	1 US Quart , 1 US Gallon , 5 US Gallon , 55 US Gallon

DRYING/OVERCOATING INFORMATION

	Drying
	77°F (25°C)
Pot Life	30 mins

Note: The above listed pot life is referring to the use of HT9002 standard cure at 77°F.

	Overcoating
	Substrate Temperature

Note: Due to the variety of film builds, and hence different cure times, it is not possible to give specific overcoating times. Overcoating HT9000 with itself: HT9000 resin and/or HT9000 glue/filler mixes may be overcoated with themselves or each other while they are still wet or tacky. To check use the "Thumbprint Test". Once the products feel hard to a fingernail they should be washed down to remove any amine bloom and sanded well. Overcoating with other products: Overcoating HT9000 resin or HT9000 Filler HT450/Glue HT120 mixes with any solvent containing paints should not be carried out until the surface is fully cured and can be sanded using 80-120 grit paper.

APPLICATION AND USE

Preparation

BARE FIBERGLASS Degrease by wiping with a rag soaked in Fiberglass Solvent Wash 202 or Fiberglass Surface Prep YMA601. Thoroughly sand using 80-120 grit paper. Wipe with Fiberglass Solvent Wash 202. Surface must be clean and dry prior to application of Epiglass HT9000 Epoxy Resin. New laminates must be at least one month old before application of Epiglass HT9000 Epoxy Resin. New laminates should also be cleaned first with Fiberglass Solvent Wash 202 to remove mold release agents, silicones and grease.

WOOD Moisture content of the wood should be below 12%. For higher moisture content the timber must be allowed to dry prior to application of Epiglass HT9000 Epoxy Resin. Thoroughly sand using 80-120 grit paper. Sand across the grain with 40-60 grade paper for good adhesion when gluing. Wipe with Fiberglass Solvent Wash 202. Epoxy resin should not be used for structural work with oily timbers. For smaller repairs on oily wood, sand as per above recommendation and degrease with Fiberglass Solvent Wash 202. Allow solvent to evaporate.

METAL To ensure a good physical 'key' on the surface, remove all surface contaminants by abrading, grit blasting or grinding to expose bright metal. Wipe with Fiberglass Solvent Wash 202. Apply the epoxy resin as soon as possible after surface has been prepared, to prevent de-oxidisation. For Aluminium/Bronze/Lead, better adhesion will be achieved by sanding the resin mix into the surface using wet or dry paper. Hard anodised aluminium alloy must be removed.

Method

For Coating and Sheathing, apply a first primer coat and then subsequent coats with a brush or roller. For gluing a brush can be used or a spatula can also be used for Fillet Bonding. Use a spreader for Filling and Fairing applications. A hot air gun or alternatively a hair dryer can be used to warm the epoxy and shorten its cure time, whilst promoting good penetration of most wood types. Pot life reduces as temperature and mix volume increases Ultra violet light will break

Please refer to your local representative or visit http://www.yachtpaint.com for further information.

	down the epoxy over time and the completed work should therefore be painted or varnished. A range of Interlux primers, undercoats and finishes are compatible with Epiglass HT9000 Epoxy Resin. Refer to the Interlux Boat Painting Guide for an introduction on the products and their use.
Hints	**Mixing** Always measure accurately by volume to the 4:1 ratio. Epiglass Dispensing Pumps are calibrated to supply the 4:1 mix ratio. First prime pump with a few strokes, ensure correct volume is supplied through the pumps before mixing for use. Add curing agent to the base in a mixing pot and stir slowly for approximately 2 minutes. Use a clean plastic container (alternatively metal) when mixing Epiglass HT9000 Epoxy Resin and mix small amounts at any one time, to prevent heat build-up. Pour the Epiglass mix into a flat roller tray to allow longer working time. IMPORTANT: Avoid using a glass container due to the risk of heat build up. If the epoxy resin starts to exotherm (build up heat) the container should be moved outdoors. Avoid breathing the fumes. Carefully blend in any filler HT450 or glue HT120 powders until the desired consistency is achieved. Further details on additives and their use can be found in the Epiglass Multipurpose Epoxy Resin Manual. Mix only as much as you can use in the stated pot life. **Cleaner** No metric value exists for Cleaners Fiberglass Solvent Wash 202
Some Important Points	Do not apply below 10°C/50°F. Woods such as teak and iroko are rich in natural oils, and so not usually suited to overcoating except with specialist varnishes such as Interlux Premium Teak Oil. An amine blush may form on the surface of the Epiglass HT9000 Epoxy Resin as it cures, particularly in cold, damp conditions. The cured Epiglass HT9000 Epoxy Resin should therefore be fresh water washed with a stiff brush to remove any amine blush before proceeding with the application of varnish, undercoat, etc. Dry the surface with paper towels. Do not apply over conventional (one-pack) coatings. Product temperature should be no less than 10°C/50°F and maximum 35°C/95°F. Ambient temperature should be minimum 10°C/50°F and maximum 35°C/95°F. Substrate temperature should be minimum 10°C/50°F and maximum 35°C/95°F.
Compatibility/Substrates	Epiglass HT9000 Epoxy Resin will adhere to most substrates which have been thoroughly prepared, with the exception of thermoplastics such as PVC and polypropylene. Do not use on gelcoat or fiberglass which is not fully cured. To accomodate different work conditions, a fast, standard and a slow hardener are also available. Do not use for structural work with oily timbers.
Number of Coats	Variable
Coverage	(Theoretical) - 559.8 ft²/gal 7.5-20 m²/lt. Varies depending on usage.
Application Methods	Brush, Roller, DO NOT SPRAY

TRANSPORTATION,STORAGE AND SAFETY INFORMATION

Storage	**GENERAL INFORMATION:** Exposure to air and extremes of temperature should be avoided. For the full shelf life of Epiglass HT9000 Epoxy Resin to be realised ensure that between use the container is firmly closed and the temperature is between 5°C/41°F and 35° C/95°F. Keep out of direct sunlight. **TRANSPORTATION:** Epiglass HT9000 Epoxy Resin should be kept in securely closed containers during transport and storage.
Safety	GENERAL: Avoid contact with skin and eyes. Epiglass HT9000 Epoxy Resin can cause dermatitic skin reactions. Always use gloves and goggles and keep skin protected with overalls. Any accidental skin contact should be immediately washed off with soap and water. Do not eat, drink or smoke in mixing or application areas. Wear suitable respiratory protective equipment. Read the label safety section for Health and Safety Information, also available from our Technical Help Line. DISPOSAL: Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal. Remainders of Epiglass HT9000 Epoxy Resin cannot be disposed of through the municipal waste route or dumped without permit. Disposal of remainders must be arranged for in consultation with the authorities.
IMPORTANT NOTES	*The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal injury resulting from negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.*