

EPOLIGHT EU

700.657

Description

Light weight, solvent free, epoxy filler, with high level of flexibility and minimal shrinkage. Easy to mix the two-components with 1:1 mix ratio, easy to apply with smooth finish with low risk of air entrapment. Apply by spatula or trowel, building up in layers to reduce the risk of air entrapment and can easily be sanded to a smooth surface once cured. Available with an optional Fast Hardener 603.999 to shorten drying & curing times, good for refit repairs and small areas.

Use

Fairing compound to smoothing irregular surfaces. Light filler with low impact of the total weight of the yacht. Suitable for use on correctly primed steel, aluminium, composite and wooden substrates. For use on exterior areas, including hull, below and above waterline, superstructure and decks. The product should be sealed with a full layer of Epomar finishing filler before overcoating with solvented subsequent coatings.

Informations

Finish	Matt	
Colours	.001 Blue grey - .002 Greenish Grey (FAST version)	
Pack	20 l (comp. A 10 l + comp. B 10 l)	
Solids by Volume	100%	ISO 3233-2
Specific Gravity	0,60 ± 0,05 g/cm ³	ISO 2811-1
Flash Point	61 °C	ISO 3679
Typical Shore D fully cured	50 ± 5	ASTM D 2240 - ISO R.868
VOC	4 g/l	Calculated
Shelf Life	Comp. A 36 months Comp. B 24 months	

Application

SUBSTRATES

Correctly primed steel, aluminium, composite and wood.

SURFACE PREPARATION

Apply over approved cured primers. Light sanding primers before filler application with sandpaper grain P150-P180. Minimum DFT of the existing primer as per relevant Technical Specification must remain after sanding. If the substrate is exposed during sanding, additional coats of primer should be applied. The surface must be clean, dry and free from dust, grease, oil and other contaminations.

How to Apply

Method/Tool	Trowel - Pallet knife - Fairing board - Spatula
Application	<p>Remove any contamination from the surface.</p> <p>Mix the two-components thoroughly until achieving a homogeneous colour. Mixing can be done manually or mechanically with a slow turning dough mixer.</p> <p>Apply firmly in thin layers, working it up to avoid air entrapment. Air pockets must be removed. Apply several layers until building-up the required thickness. Epolight EU must be sanded before recoating with itself. Sand between cured coats with sandpaper grade P40 - P80. Last coats to be sanded with grade P80 P120. Remove any dust or dirty before each Epolight EU application. When battens are used, grind the area out after its removal to a tapered transition at a greater than 7:1 ratio and then apply the filler in several coats to help prevent adhesion problems and print through the batten line. For spot repairs grind the area out to a tapered transition at a greater than 7:1 ratio and then apply the filler in several coats to help prevent adhesion problems and print through the spot repair.</p> <p>Epolight EU should be sealed with finishing filler Epomar.</p> <p>For further information please contact your local Boero office or representative.</p>

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Film Thickness per Coat

DFT	Recommended: 0 - 8000 µm Maximum: 8000 µm
WFT	Recommended: 0 - 8000 µm Maximum: 8000 µm

Additional Application Information

Theoretical spreading rate	At 8.000µm: 0,13 m ² /l
Thinner	693 For cleaning of equipment only
Hardener	657.000C – EPOLIGHT EU COMP. B 603.999C - EPOYACHT & EPOLIGHT EU FAST COMP. B
Mixing ratio by volume	1:1
Mixing ratio by weight	47:53 44:56 (FAST version)
Pot-life at 20 °C	45 min. 30 mins (FAST version)

Compatibility

Previous Coat

Delta 3000, Defender, Boeroguard

Subsequent Coat

Epomar, Delta UC HB, Epospray, Epoply

Drying Time

		10 °C	15 °C	20 °C	25 °C	30 °C
Sanding	Standard	48 h	15 h	12 h	9 h	6 h
	Fast	18h	8h	6h	3h	2,5h
Complete curing	Standard	20 days	20 days	15 days	7 days	7 days
	Fast	7 days	7 days	7 days	7 days	7 days

Conditions during application

During application and curing:

Ambient temperature: minimum 15°C, maximum 35°C.

Minimum substrate temperature 10°C (if during the curing the temperature drops below 10°C, overcoating will take additional time).

Avoid the formation of condensation, the surface temperature should be at least 3 °C above dew point.

Maximum relative humidity 80%.

Adequate ventilation shall be provided during application and drying/curing.

Storage

It is recommended to avoid exposure to air and extreme temperatures. To maximize the shelf life in the can, check that the container is closed during the storage and the temperature is between 10 °C and 35 °C.

Avoid exposure to direct sunlight.



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Safety Rules

Comply with the provisions set by the local health and safety at work regulations. Avoid contact with the skin, operate in well-ventilated places and, if in closed areas, use vacuum cleaners, fans and air conveyors. During the application use appropriate PPE - Personal Protections Equipment (masks, gloves, glasses, etc.). Before using, read sections 7-8 of the SDS.

INSTRUCTIONS FOR THE DISPOSAL OF THE BIOCIDAL PRODUCTS AND PACKAGING

Empty packaging containing biocidal products: disposal of empty packaging according to the requirements of the waste disposal law, for example by taking them to the recycling centre. Packages containing the unused biocidal product: Dispose of the product not used in accordance with the law of disposal of such waste, for example by taking it to a recycling centre, recycling of packaging is prohibited in this case. Do not empty into drains or watercourses.

INSTRUCTIONS FOR THE SAFETY SECURITY OF THE BIOCIDAL PRODUCTS AND PACKAGING

Empty containers and containers still containing the biocidal product: Packaging must be disposed of as hazardous waste under the full responsibility of the holder of such waste. Do not empty into drains or watercourses.

Disclaimer

The values indicated in the present technical sheet can have slight variations from one batch to another. The applied product must not come in contact with water, chemicals or subjected to mechanical stress before the curing is complete. The wet film thickness refers to the undiluted product. In case of dilution, this value increases. The above information is the result of accurate laboratory tests and practical experience, however, since the product is predominantly used outside the manufacturer's control, Boero Bartolomeo S.p.A. can only guarantee their quality. The information contained in this sheet may be subject to revision by the Company. For clarification, updates or further information, it is recommended to contact Boero Bartolomeo S.p.A. directly. The present datasheet annuls and replaces every other precedent to this one.