

EPOXY LIGHTPRIMER 5:1



Technical information

Product components :

Epoxy ground-coat - component A
Polyamidic Hardening Agent - component B

Volume:

component A + component B : 750 ml, 3l., 5 l., 15l.

Product description :

High-quality 2-component epoxy ground-coat. Excellent foundation for paints and surface varnishes.



- ✓ Excellent adhesion to various types of surfaces and high flexibility.
- ✓ No sanding required.
- ✓ Easy to mix components and apply ground coat.
- ✓ Spreads easily for a perfect finish.
- ✓ Highly thixotropic - can be applied in one thick layer without dripping on vertical surfaces.

Recommended use :

Recommended especially for the protection of yachts and boats above and below the water line. For the use on hulls made of materials reinforced by fibreglass (GRP). Excellent for surface coats.

Physiochemical

Characteristics:

Colour:

White, Grey

Surface:

matte

Stable matter:

65%

Theoretical Output:

about 10-11 m²/dm³ for the thickness of 60 µm (dry)

Coat thickness (WFT):

90 µm (wet)

Finish thickness (DFT):

60 µm (dry)

Density:

1,4 kg/dm³

Preparing the surface:



Remove salt and other contaminants with pressurized fresh water. Wait until the surface is dry. Sand laminate surfaces to uniform roughness (the sandpaper of gradation P100-P240). Clean steel surfaces with a polishing stream up to Sa 2,5. On small surfaces, use a cornering sander. Remove dust and clean with Sea-Line's de-greasing formula.

Application conditions:

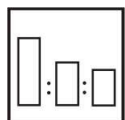
Surface must be clean, dry, and maintained at a temperature above the dew point, to prevent condensation. Air temperature should be at least 10°C, while the surface under repair should be at least 15°C.

Method of application:

Airless spray gun, pneumatic spray gun, brush, roller.

Component

mixing proportions:



Parts by weight: (g)
Parts by volume: (ml)

Ground coat : Hardener

100 : 12

5 : 1

Do not exceed the recommended amount of hardener!



Thinner:

When necessary, you may dilute the mixture by adding thinner to Sea-Line epoxy systems at a rate of

- 5-25% for roll/brush application

- 5-50% for pneumatic spraying

Mixing:

Mix contents thoroughly. Wait 10 minutes for air bubbles to appear.

Do not mix a bigger amount of the product than the one that can be used within the best-before date.

Usable time of mixture:

2h (20°C) with the airless spray applicator

6h (20°C) with the brush or roller

Pneumatic spraying parametres:



- **thin layer** of pneumatic spray application (up to 90÷100 µm of the wet layer):

Thinner : 40÷50%

Gravity Fed: 1,4÷1,6mm,

Working pressure : 2,0 bar

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Pneumatic spraying parameters:



- **thick film** pneumatic spraying (up to 300 µm of wet layer):
Thinner : 5÷10%
Gravity Fed: 1,6÷2,2mm,
Working pressure : 2,0÷2,5 bar

Hardening the surface:

Dry to the touch:
Fully hardened:
Elapsed time before applying next coat:

20°C
3-4 hours
7 days

10°C
16 hours
14 days

min 4h - max 30 days

min 8h - max 60 days



The given times must be considered as guidelines only. The actual drying time may be longer or shorter and depends on film thickness, ventilation, humidity, etc.

Maximum primer recoating without sanding primer is applied only when the surface is free from chalking and other contamination. If the primer coating was exposed to direct sunlight, it must be clean and sanding. The removal of the top layer will provide a good grip

Number of layers :

protection against osmosis : 2÷4 layers (225 µm DTF)

interlayer : 1÷2 layers (120 µm DTF)

Further Work :

After setting, the surface should be sanded with a sandpaper of P240-P400 gradation.

Next layer:

Sea-Line GRP epoxy Lightprimer can be finished with:

- any Sea-Line epoxy system.
- any Sea-Line polyurethane system.*
- any Sea-Line polyester system.
- any Sea-Line antifouling.*

* **Remarks:** launching should be done only after the last layer of the ground coat and antifouling paint have hardened.

HSE conditions :

Please follow safety instructions from the technical data sheet for hazardous chemical and follow Polish workplace safety laws. The general rule is to avoid contact with skin and eyes. When using the product in a small, enclosed space you must provide forced ventilation. It is also recommended that you protect your respiratory system, eyes, and skin. Be particularly careful of fire as the product may explode.

Storage :



Product components should be kept in tightly sealed containers, at a temperature between 5-35°C, away from sources of fire, heat, and sun rays.

Close the containers tightly immediately after every use.

Expiration date:

Epoxy ground-coat (component A) - 24 months from the date of production.

Hardening agent (component B) - 24 months from the date of production.

Quality Guarantee :

Production, quality control, and the realization of deliveries fulfill the demands of ISO 9001 and 14001 standards.

All data in this document have been prepared for informational purposes. We can not take responsibility for the results of user actions over which we have no control. Responsibility of the user is to make the test sample and determine the suitability of the product for individual applications. Sea-Line do not take responsibility for any damages, or loss of profits associated with the improper use of the products. All information is based on scrupulous laboratory research and many years of experience. Our position of market leadership does not free us from constant quality control of our products. However, we do not accept responsibility for the effects of improper use or storage of our products, or for the effects of using our products in any way contrary to the standards of good workmanship.

TROTON sp. z o.o. Ząbrowo.