EPINOX BOSMAN® 54

CHARACTERISTICS

Two-component polyamide cured epoxy enamel. The coating with high gloss, flexible and mechanically resistant, also with very good adhesion to the substrate. The coating is resistant to water, salt- and alkali- solutions, crude oil, vegetable oil, diesel oil and some aliphatic hydrocarbons. It is also resistant to spillages and splashes of diluted inorganic acids and aromatic hydrocarbons. Under the influence of the sun radiation, tint of the coating may change.

PRODUCT USE

For the renovation of yachts from the laminate to prevent the phenomenon of osmosis. As an intermediate coating in the systems of epoxy or epoxy-polyurethane.

PROPERTIES

Density (about), g/cm^3	1,0
Flash point, °C	21
Typical dry film thickness, µm	50
Typical wet film thickness, µm	100
Theoretical coverage at 50 µm, dm^3/m^2	0,10
Volume solids (about), % vol.	53
Recommended number of coats	1-3
VOC, g/dm^3	450

Given data may vary slightly for different colours as well as due to normal manufacturing tolerances.

COLOUR

RAL 7035 and RAL 9010

SURFACE PREPARATION

The degree of surface preparation depends on the type and operating conditions. Fill cavities in the substrate using epoxy putty first BOSMAN Wash the surface with water containing OLIVA CLEANER - should be dry, devoid of fat salt and dust.
Steel and aluminum substrate should be primed with the paint ALU-STEEL PRIMER 2002 and wood – thinned WOOD PRIMER 12 .The surface of the laminate should be roughened with sandpaper does not exceed 1/3 of the gel coat.

PAINT PREPARATION

Stir thoroughly component I, then mix with hardener according to the following mixing proportions:

	by volume
Component I	100
Component II	40

Wait 15 minutes before use.
Pot life in 23ºC – 10 h.

APPLICATION METHODS

Airless spray, brush.
Airless spray parameter:

Nozzle size	0,38 - 0,48 mm
Nozzle pressure	10 - 15 MPa

THINNING

Not required.
When necessary (for example – thickening product) use Teknosolv 9506, Teknosolv 564 (see Technical Information).
For cleaning tools: Teknosolv 9506, Teknosolv 564.

APPLICATION CONDITIONS

Application and curing conditions:

- minimum surface temperature: +5°C and at least 3°C higher than dew point,
- relative air humidity below 85%,
- good ventilation.

Drying time (in 23°C):

dust dry - 1,5 h
touch dry - 7 h

Overcoating intervals:

temperature	23°C	10°C
minimum	10 h	20 h
maximum	1 month	2 months

Given indications relates to the recommended coating thickness, drying in good ventilation conditions. Overcoating times may be different with a change of temperature, ventilation, number of layers and the thickness of the coating.

Full cure:

temperature	23°C	10°C
	7 days	14 days

SUBSEQUENT COAT

MARINA topsides, part submarine OPTIMAL and ANTIFOULING VSE or PTFE.

ADDITIONAL INFORMATION

Depending on application and type of construction, other thickness of a single layer can be assumed instead of recommended. Typical dry film thickness range using airless spray is from 40 to 70 μm. Changing the thickness of the coating changes the theoretical consumption, thickness, weight of dry coating, drying time, time of recoating and finishing work.

SHELF LIFE

The storage stability is shown on the label. Store in cool place and in tightly closed can.

CAUTION!

During application and drying of the coating flammable and harmful substances are emitted. It is important not to inhale the fumes of the product and to avoid contact with the eyes and skin. Use only in well ventilated rooms. Detailed information about dangerous substances in the products and threats are included in the safety data sheet, which are available at the Customers' request.