EMAPUR MARINA

CHARACTERISTICS

Polyurethane, two component topcoat. High decorative, gloss coating, good adhesive to substrate, tough and flexible. Resistant to weathering, sun radiation, sanitary, fresh and sea water, salt and alkali solutions, thinned acid solutions, oil, fuel oil, diesel and some thinners (gasoline, xylene). Coating in white colors shows a reflectivity of solar radiation above 70%.

PRODUCT USE

For final painting of areas of yachts and ships above the waterline.

PROPERTIES

Density (approx.), g/cm^3	1,2
Flash point, °C	23
Typical dry film thickness, µm	50
Typical wet film thickness, µm	90
Theoretical coverage at 100µm, dm^3/m^2	0,09
Volume solids (about), % vol.	56
Recommended number of layers	1 - 2
Volatile Organic Compounds, g/dm^3	420

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

COLOUR

RAL colors according to product list.

SURFACE PREPARATION

- Before cleaning of surfaces it is recommended to wash all surface with water with addition of OLIVA CLEANER, and next rinse with clean water.
- Coating of epoxy primer BOSMAN dry, salt-, dust- and grease-free.
- Then it is recommended to wash all surface with water with addition of OLIVA CLEANER, and next rinse with clean water.

PAINT PREPARATION

Stir thoroughly component I, mix with component II according to the following proportions:

	by weight	by volume
I component	100	100
II component	20	22

After 15 minutes (in 23°C) paint is ready to use.
Pot life (in 23°C) - 2 h

APPLICATION METHODS

Airless spray, brush, roller, after diluting – air spray.
Airless spray parameter :

Nozzle size	0,33 - 0,43 mm
Nozzle pressure	10 - 15 MPa

THINNER

Not recommended. When necessary (for example – thickening product) use TEKNOSOLV 433 (see Technical Information).
For cleaning tools: TEKNOSOLV 433. Wash spray equipment with TEKNOSOLV 433 before painting.

APPLICATION CONDITIONS

Application and curing conditions:

- minimum surface temperature: -5°C (surface frost- and ice-free) and at least 3°C higher than dew point,
- relative air humidity below 80%,
- good ventilation.

Drying time (in 23°C):

dust dry - 3 h,
touch dry - 8 h,

Over-coating intervals:

temperature	23°C	10°C
minimum	8h	16h
maximum	2h	4h

Given times relate to the recommended coating thickness, drying in good ventilation conditions. These times may change with a change of temperature, ventilation, number of layers and the thickness of the coating.

Full curing:

Temperature	23°C	10°C
days	7	14

ADDITIONAL INFORMATION

Depending on destination and type of construction, other thickness of a single layer can be assumed than recommended in information.
Typical coating thickness range using airless spray is from 40 to 60 µm.
In the case of conventional spray painting, in order to obtain the highest level of appearance we allow considerable dilution of the product. The recommended amount of added solvent in this case is from 30 to 40%. Note, that the thickness of a single coating will be in this case, significantly lower than the typical obtained from the not thinned product.
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 tightly closed can.

CAUTION!

During application and drying of the coating flammable and health threatening substances are emitted. It is important to avoid inhaling the fumes of the product and contact with the eyes and skin. Use only in well ventilated rooms. Detailed information on dangerous substances contained in the products and threats connected with them are included in the specification cards of the dangerous substances, which we make available at the Customers' request.