

CHARACTERISTICS

Modified poxy primer, flake material pigmented, thixotropic, cures at low temperatures (down to -10°C), two component: I component symbol 7429-292-990, component II symbol 7429-292-000. Coating with outstanding adhesion to surfaces, resistant to acid and alkali solutions, water and marine environment, aggressive atmospheric conditions, soil and elements occurring in the cathodic protection.

PRODUCT USE**For priming of:**

- steel and concrete constructions operating in sea, coastal, technical and fresh water, underwater parts of ships, docks and hydrotechnical constructions

For self-protection of:

- ballast and sewage tanks,
- steel and concrete constructions operating in water or in ground (canal locks, culverts, weirs, dolphins, tanks, pipelines, quays, Larsen walls, etc)

PROPERTIES

Density (approx.), g/cm ³	1,5
Flash point, °C	17
Typical dry film thickness, µm	150
Typical wet film thickness, µm	250
Theoretical coverage at 100µm, dm ³ /m ²	0,23
Volume solids (about), % vol.	66
Recommended number of coats	2 - 4
Volatile Organic Compounds, g/dm ³	300

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

COLOUR

990 black

SURFACE PREPARATION

- Before cleaning of surface, it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water.
- Steel surface dry, salt- and grease-free, cleaned to the degree of cleanliness according to PN-ISO 8501-1, at least Sa 2½ for submerged areas or at least St 3 according to PN-ISO 8501-1 for external surfaces. For internal surfaces - at least Sa 2½ according to PN-ISO 8501-1. Porous surfaces should be primed with thinned EPITAN[®] 92 paint. The coating gets the highest mechanical and chemical resistance by applying directly to blast cleaned steel surfaces (cleanliness at least Sa 2½ according to PN-ISO 8501-1).
- Coating of epoxy primer dry, grease- and dust-free.
- Concrete surface fully cured (minimum 28 days at 20°C), rough, without cracks, crevices and laitance, jet cleaned or cleaned using a wire brush. Surface must be dry (relative humidity max. 4%), fat-, salt-, dust- and inclusions-free. Before painting it is recommended to prime surface using diluted varnish EPINOX[®] 12.

PAINT PREPARATION

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

	by weight	by volume
component I	100	100
component II	12	18

Mix thoroughly components and wait 15 minutes before use.
Priming porous surfaces after thinning with Thinner 564 (up to 20%).

Pot life in 20°C - 3,5 h

APPLICATION METHODS

Airless spray, brush. When using a brush it may be necessary to apply several layers to achieve recommended coating thickness.

Airless spray parameter:

Nozzle size	0,48 - 0,63 mm
Nozzle pressure	20 - 25 MPa

THINNING

Not required.

When necessary (for example – thickening product) use Thinner 564 (see Technical Information).

For cleaning tools: Thinner 564.

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,
- minimum temperature of paint itself +15°C,
- ambient temperature not lower than -10°C,
- relative air humidity below 95%,
- good ventilation.

Drying time (in 20°C):

dust dry	- 2 h
touch dry	- 6 h

Overcoating intervals:

temperature	20°C	10°C	5°C	0°C	-5°C
minimum	6h	8h	10h	14h	24h
maximum	in internal conditions unlimited in external conditions with sun radiation exposition 1 month*				

*In case of chalking, it is recommended to remove degradation products.

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	20°C	10°C	5°C	0°C	-5°C
minimum	2 days	3 days	6 days	12 days	18 days

SUBSEQUENT COAT

OLIVA's epoxy, vinyl, acrylic or polyurethane paints.

**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 150 to 250 µm. Changing the thickness of the coating changes the theoretical consumption, thickness, weight of dry coating, drying time, time of recoating and finishing work.
- In high corrosive environment it is recommended to prepare surface as good as possible and to apply successive layers of paint before full curing of previous layers to achieve best protection.
- Please note that increasing degree of cleanliness of surface results exceeding of coating's durability.

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.

The information of this data sheet is normative, based on laboratory tests and our experience. It is available for our Customers' convenience. We accept however, no liability for the actual application work, as this is to great extend dependent on the conditions during handling and application. We accept no liability for any damage from misapplication of the product. The technical terms in the instruction are explained at the beginning of the catalogue. We reserve the right to include changes in the instruction without prior notice.