

CHARACTERISTICS

Epoxy paint cured with polyamines, containing conductive pigments, two component: I component symbol 7459-466-XX0, component II symbol 7459-466-000. Coating with outstanding adhesion to steel, laminates and mineral surfaces. Coating resistant to mechanical factors, oil, fuel oil, heating oil, diesel, motor gasoline, ethyl gasoline, unleaded petrol, biofuel, aviation fuel, glycol, glycerine, aromatics, water, electrolyte solutions and weathering. Coating is antielectrostatic conductive material according to PN-92/E-05200 and PN-92/E05203 standards. With proper grounding the coating is unable to get electrified. Coatings surface resistivity ρ_s is $10^6\Omega$, leakage resistance R_U is $10^4\Omega$. Coating surface and surface based on the coating fulfills requirements of protection against static electricity for explosion hazard zones. Coating fulfills requirements according to TRbF 401 standards.

PRODUCT USE**For protection of:**

- inside linings of tanks, cisterns and piping installations for flammable liquids, also in explosion hazard zones;
- inside linings of tanks, cisterns and piping installations for liquid and loose products, which can cause explosive mixture;
- laminate constructions and other non-conducting surfaces for its antielectrostatic finish.

PROPERTIES

Density (approx.), g/cm ³	1,6
Flash point, °C	23
Typical dry film thickness, µm	200
Typical wet film thickness, µm	240
Theoretical coverage at 100µm, dm ³ /m ²	0,24
Volume solids (about), % vol.	85
Recommended number of coats	1 - 2
Volatile Organic Compounds, g/dm ³	210

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

COLOUR

290 brown 920 dark grey

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.
- EPINOX[®] 60 surface dry, rust-, salt-, grease- and dust-free.
- Laminate surface contaminant-, dust-, grease- and oil-free. In case of old laminates it is recommended to roughen it with abrasive paper (120-150).
- Concrete surface fully cured (minimum 28 days at 20°C), rough, without cracks, crevices and laitance, abrasive cleaned. Surface must be dry (relative humidity max. 3%), fat-, salt-, dust- and inclusions-free. Defects leveled with hydraulic-, epoxy- or magnesium-polyphosphate-mortar. Before painting it is recommended to prime surface using diluted (Thinner 564) 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	20	30

Pot life: in 20°C - 1 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 - 30 MPa

THINNING

Not required. When necessary (for example – thickening of product) use Thinner 564 (see Technical Information).

For cleaning tools: Thinner 564.

APPLICATION CONDITIONS**Application and curing conditions:**

- minimum surface temperature: +10°C and at least 3 °C higher than dew point,
- relative air humidity below 85%,
- good ventilation.

Drying time (in 20°C):

dust dry	- 6 h
touch dry	- 8 h

Overcoating intervals:

temperature	30°C	20°C	10°C
minimum	4h	8h	16h
maximum	2 days	4 days	7 days

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
days	7	14

**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 300 µm. Changing the thickness of the coating changes the theoretical consumption, thickness, weight of dry coating, drying time, time of recoating and finishing work.
- When using for antielectrostatic finish for non-conducting surfaces (laminates, concrete), it is necessary to attach to surface earth electrode and cover it with coating.
- Laminate constructions (tanks, pipelines) where small abrasive and mechanical hazard, should be painted with 1 or 2 layers giving in total dry film thickness 150-200 µm.
- Mineral surfaces (concrete floorings), where pedestrian and vehicular traffic takes place, cover with 2 layers giving in total dry film thickness 300-400 microns.

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.