Technical Data Sheet

TRIOCOR ABRASIVE 4400

Modified epoxy material

DESCRIPTION:

A two-pack epoxy material cured by polyamine pigmented with Plate-Like pigments

TYPE AND RECOMMENDED USE:

The coating is abrasive resistant, resistant to spills of oil and petroleum products, non-concentrated solutions of acids, alkalis, salts, designed for corrosion protection of metal structures. For industrial and marine atmospheres, variable wetting zones and immersion zones, petrochemical facilities, ports, offshore and offshore projects. The coating can be hardened under water therefore, the coating can be immersed in water after application. Applies:

- as an independent coating;
- with the overlap of polyurethane paint and varnish materials in complex systems of anticorrosive protection;
- as part of a special anti-slip coating, as a floor covering, on the ways of moving people and goods.

Operating temperature from minus 60 to plus 120 °C

PHYSICAL CONSTANTS:

Colour:

Grey.

Volume solids:

85±5 %

Recommended thickness of one coat:

Film thickness	WFT, microns	DFT, microns
Minimum	120	100
Maximum	350	300

It is recommended to obtain a thickness of 2 or 3 coats

When used as a floor anti-slip coating, the composition of the coating system is as follows:

Name of the material	WFT, microns	DFT, microns
TRIOCOR ABRASIVE 4400	590	500
Abrasive filler*	–	–
TRIOCOR ABRASIVE 4400	590	500
TRIOCOR FINISH 5500	110	50

Note: * - Feniks micromramor (0.5–2.0) mm (TU 08.12.12-001-45665168-2019) can be applied or other in agreement with O3-Coutings LLC. The abrasive filler should be evenly distributed over the surface of the first layer of TRIKON ABRASIVE 4400.The application technology is according to TI No. 2413/68.

Drying and recoating times:

Drying time at DFT 200 microns:				
Surface temperature	5 °C	20 °C	30 °C	40 °C
Drying to degree 3 (GOST standard 19007)	24 h	8 h	6 h	4 h
Drying to degree 6 (GOST standard 19007)	72 h	24 h	16 h	10 h
Recoating time				
minimum	26 h	9 h	7 h	5 h
maximum	6 months			

After drying the coating to a degree of 3, the coating can be immersed in fresh water; after drying to a degree of 6 – in fresh and sea water.

SURFACE PREPARATION: The product is applied to a prepared metal surface. Typical process includes the following stages: remedy imperfections to P2 (in operating conditions from C1 to C4 according to ISO 12944-2) or P3 (in operating conditions from C5 according to ISO 12944-2) in accordance with ISO 8501-3; remove oil and grease (if necessary); blast clean to Sa 2,5 in accordance with ISO 8501-1, using hand and mechanized cleaning method to St 3 in accordance with ISO 8501-1; remove salt (if necessary); the surface is dedusting to degree 2 with particle size do not exceed rating 2 of ISO 8502-3. Prepared surface should be dry, it' temperature should be at least 3°C above the dew point.

APPLICATION DETAILS:

Material preparation: A two-component material. Mix the base and component separately before mixing.
Mixing Ratio:
- 5 parts of Base to 1 part of Additive by volume;
- 100 parts of Base to 13,3 part of Additive by weight.

Pot life: 1 h at plus 20 °C

Application method: Airless spraying / Manual application.

Thinner: Thinner TRIOSOLV 0002 (if necessary), up to 10 % by volume at airless spraying.
For detailed information, contact «O3-Coatings».

Nozzle size (recommended): .019"–.025"

Operating pressure (recommended): No less than 150 bar.

Cleaning of tools: TRIOSOLV 0002. (Can be to use other solvents in agreement with the company "O3-Coutings").

Application conditions:

Air temperature	From plus 5 to plus 30 °C
Relative humidity	10–85%
(In closed rooms it is necessary to provide supply-and-exhaust ventilation during application and drying to the extent necessary).	

RECOMMENDED SYSTEMS: Preceding coat: none.
Subsequent coat: none or PU materials, for example TRIOCOR FINISH 5500
Note: This material chalk during operation outdoors without finish coating.

STORAGE: 24 months from date of manufacture. Product should be stored in dry, dark space at temperatures between 0 to plus 30 °C in the original sealed packaging, avoiding direct exposure to UV-rays and other sources of heat.

TRANSPORTATION: It is recommended to transport at a temperature between 0 and plus 30 °C, avoiding direct exposure to UV-rays and other sources of heat. This material can be transported at negative temperatures up to minus 40 °C for a duration of 14 days.

PACKAGE: Base – 20 L container;
Additive– 5 L container;

HEALTH AND SAFETY: Refer to the Safety Data Sheet before use.