

TECHNICAL DATA SHEET

Item number: 0503-980-XXX0

Product name: ALMADUR MIOX

ALMADUR MIOX

Description: A two-component high-build epoxy primer hardened with polyaminoamide. Selected colors are pigmented with laminar iron oxide. Recommended for protecting surfaces utilized in urban, maritime and industrial environments.

ADVANTAGES

- ✦ resistant to prolonged temperatures of 180°C
- ✦ good mechanical resistance
- ✦ superb hardness
- ✦ coating resistant to water, salt and lye solutions, petroleum, heating oil, diesel oil, motor oil, gasoline and some organic solvents
- ✦ under UV radiation the coating exhibits slight chalking
- ✦ contains laminar iron oxide pigments that prolongs wet edges time

RECOMMENDED USE

As a primer on steel structures, cast iron, concrete; all utilized in aggressive environments

As individual protection for:

- steel and concrete structures/elements
- water tanks, sewage tanks and petroleum product tanks

TECHNICAL PROPERTIES

• Density, (approx) kg/dm ³	1,5
• Recommended film thickness per one coat, dry/wet, μm.	100/180
• Dry time (20 °C): 1 degree (tack-free), max, h	4
3 degree (dry-to-touch),max, h	8,5
• Pot life at 23 °C, h	8
• Full cure time at 23°C, days	4
• Theoretical coverage at film thickness 100 μm dm ³ /m ²	0,18
• Solids (±2), % by volume	55
• VOC in a ready-to-use product, g/l	400
• Recommended number of coats	1-3

GLOSS: semi-gloss

COLOR: 0720 gray

FOLLOWING COATS

Epoxy, acrylic, vinyl or polyurethane topcoats

PRODUCT APPLICATION

PREPARATION OF MIXTURE – precisely mix part I with part II – (Part II item number – 0504-500-0000)

in the following ratio: by volume by weight:

- part I 100 100
- part II 47 25
- Thinner number 8040: 0-5% by volume

After 10 minutes (in 20°C) the product is ready-to-use

Application methods:

- airless sprayer: Ø0,43-0,68 mm; 20-25 Mpa
- brush

APPLICATION*

Surface- the higher degree of surface cleanness the longer period of paint durability. The paint achieves the highest chemical and mechanical resistance when applied directly on steel that was sand-blasted or shot-blasted to at least Sa 2 ½ * cleanness degree.

- ⚠ Steel surface must be free from any contaminants, grease, oil and cleaned to at least Sa 2* cleanness degree for immersed surfaces. For exterior surfaces – at least St 3* cleanness degree.
- ⚠ Concrete surface after a minimum of 1 month weathering – clean, sound and free from cracks, crevices and cement slurry. Before final painting the surface should be primed with thinned EPOXY COATING 5+2

Full cure of the coat at °C	20	10
days	7	14
The shortest time (h) for application of following coats	12	24
The longest time for application of topcoats	Unlimited / depending from the aggressiveness of the environment**	

** re-coat time should be as short as possible in order to avoid contamination of the surface and chalking. The best adhesion between coats is achieved by applying following coats before the previous coat fully cures.

Painting and curing conditions

- minimal substrate temperature: 5°C,
- surface temperature above dew point (omitting condensation)
- paint temperature above 15°C
- relative humidity up to 85%
- good ventilation

SHELF LIFE: 12 months from the production date in original unsealed container.

*PN ISO 8501-1:1996

WARNING! This product is designed for professional use in the given industry. Detailed information regarding product safety can be found in the MSDS.