

TECHNICAL DATA SHEET

Item number: 0503-800-XXXX

Product name: ALMADUR SPRINT 2+1

ALMADUR SPRINT

Description: A two-component anti-corrosion general usage epoxy that can be used as a primer in coating systems for steel structures subject to mechanical factors. Contains zinc phosphate that functions as corrosion inhibitor. The product is thixotropic, high-build and dries fast. Coat is resistant to weather conditions. ALMADUR SPRINT is used in temperatures above 5°C.

ADVANTAGES

- ▲ very good adhesion to steel, aluminum and galvanized steel surfaces
- ▲ good mechanical resistance
- ▲ contains zinc phosphate that enhances anti-corrosion properties
- ▲ very good anti-corrosion properties in various weather conditions
- ▲ cures fast even in temperatures as low as 5°C

RECOMMENDED USE

Priming steel structures, galvanized steel and aluminum: all utilized in maritime, marine, urban and industrial environments. ALMADUR SPRINT can be used as an individual coat with coat thickness over 250µm – when high quality decorative effect is not important.

TECHNICAL PROPERTIES

• Density, (approx) kg/dm ³	1,4
• Recommended film thickness per one coat, dry/wet, µm.	80/150
• Dry time (20 °C): 1 degree (tack-free), min	10
3 degree (dry-to-touch),min	25
• Pot life at 20 °C, h	8
• Full cure time at 20°C, days	7
• Full cure time at 15°C, days	14
• Theoretical coverage at film thickness 100 µm dm ³ /m ²	0,19
• Solids (±2), % by volume	60
• VOC in a ready-to-use product, g/l	510
• Recommended number of coats	1-2

GLOSS: matte

COLOR: light-gray dark-gray

FOLLOWING COATS

ALMADUR TOPCOAT epoxy or ALMAPUR polyurethane topcoat

PRODUCT APPLICATION

PREPARATION OF MIXTURE – precisely mix part I with part II – (Part II item number – 0504-800-0000)

in the following ratio: by volume by weight:

- | | | |
|---------------------------------------|---|-----|
| • part I | 2 | 100 |
| • part II | 1 | 30 |
| • Thinner number 8040: 0-2% by volume | | |

After 15 minutes (in 20°C) the product is ready-to-use

Application methods:

- airless sprayer: Ø0,33-0,43 mm; approx. 10 Mpa
- conventional sprayer: Ø2,0-2,4 mm; 3-4 atm
- brush

Solvent: item number 8040

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 2* cleanness degree. For interior surfaces it is allowed to clean to at least St 3* cleanness degree
- ⚡ Galvanized steel surface that was not weathered by immersion and dry aluminum surfaces should be tarnished with fine abrasive fabric
- ⚡ Galvanized steel must be completely free from contaminants and zinc corrosion products. Clean with hot water, power wash, abrasive sweep or clean manually using mechanical tools
- ⚡ Properly prepared surface must be dry and free from salt, grease, oil, dust and other contaminants.

Following coatings re-coat time:

the shortest/the longest for recommended coat thickness

- ⚡ at 20°C – 8h / 1 month
- ⚡ at 10°C – 18h/ 2 months

Painting and curing conditions

- minimal substrate temperature: 5°C,
- surface temperature above dew point (omitting condensation)
- relative humidity up to 80%
- 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.