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TECHNICAL DATA SHEET

Product symbol: 0502-152-XXX0

Product name: ALMACOAT PRIMER STEEL

ALMACOAT PRIMER STEEL

Product description: Solvent polyurethane two-component anti-corrosion primer.

Used to increase the adhesion of polyurea systems to steel, galvanized surfaces and aluminium.

ADVANTAGES

- Excellent resistance to weather conditions and abrasion
- Quick drying
- Good mechanical resistance,
- Good resistance to mineral oils and non-aggressive chemical substances
- Resistant to tap and sea water, and petroleum products

RECOMMENDED USE

Recommended to protect zinc, aluminium and steel surfaces exposed to atmospheric influences and chemical agents before applying the Almacoat polyurea system.

TECHNICAL PROPERTIES

• Density (±0,1) kg/dm³	1,3
• Recommended thickness of a single coat / layer, µm	80 / 120
• Drying time (single layer, at 20°C):	
• grade 1 (dust free), min	15
• grade 3 (touch dry), min	60
• grade 6, min	90
• for polyurea spraying, min	120
• time window for the application of polyurea at 20°C, h	2-24
• Pot life of the components at 20 °C, h	8
• Full cure time at 20 °C, days	7
• Theoretical coverage at coat thickness 80µm, dm³/m²	0,12
• Solids content (±2), % vol.	65
• V.O.C in ready-to-use product, g/l	420
• Recommended number of coats	1 – 2

COLOURS

Selected colours according to RAL colours or according to individual customer patterns

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APPLICATION

Preparation of the paint - mix thoroughly the B pigments before use, combine the A and B components and mix thoroughly with a low speed mixer (component A – 0504-100-0000)

Mixing ratio:	by volume	by weight
• component B	100	100
• component A	10	8

Solvent quantity 8002: 0 - 3% by volume. After 15 minutes (at 20^{o}C) the paint is ready to use.

Application method

• airless spray: Ø0,43-0,48 mm; 10 - 15 MPa

• brush

• paint roller

• air spray (when thinned to a viscosity of 50-60s according to DIN Ø 4 cup)

WAY OF USE

Substrate - increasing the degree of cleanliness of the substrate results in extending the durability of the paint coating. The highest chemical and mechanical resistance is obtained by paint coatings applied directly on surfaces sandblasted or shot blasted to a degree of cleanliness of at least Sa 2½ *

• Steel surface dry, free from any impurities, degreased - cleaned to a degree of cleanliness of at least Sa 2 * for immersed surfaces or at least St 3 * for external surfaces

• Aluminium surface dry, degreased and matted with abrasive needled cloth.

• Seasoned galvanized surfaces should be cleaned of zinc corrosion products (white rust) and accumulated impurities. Remove the impurities with hot water, pressurized water, steam or sweep with an abrasive.

Painting and curing conditions:

• surface temperature over 0^{o}C (the surface free from frost and ice)

• surface temperature min. 3^{o}C above dew point (avoid condensation)

• relative air humidity max 80%,

• efficient ventilation.

SHELF LIFE OF THE PRODUCT: 7 months from the production date in originally sealed container.

The above information cannot be considered complete or comprehensive. This information is based on laboratory research and practical experience and is consistent with our best knowledge. As a manufacturer, we are not able to monitor the conditions in which the product is used, as well as many factors affecting the final effect of its use. We are not responsible for any damages caused by using the product contrary to the recommendations or for inappropriate purposes. We reserve the right to change instructions without prior notice.

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ATTENTION! Product for professional use in industry. Information on the safe use of the product provided in the Material Safety Data Sheet.

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