

TECHNICAL DATA SHEET

Item number: 0502-152-XXX0

Product name: ALMAPUR PROTECT 10+1

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Description: Two-component general use polyurethane primer-top coat. It contains active anti-corrosive pigments. The product provides high quality, non-chalking, eggshell coating. It creates durable, hard finish that is abrasion and weather conditions resistant.

RECOMMENDED USE

It is recommended as a protection on zinc, aluminum or steel surfaces that are subject to weather conditions and aggressive chemicals. Use as a finish coat on farming equipment and machines, construction machines as well as above water parts of water equipment, ships, boats, steel structures, bridge structures, metal elements – wherever a high resistance to mechanical, chemical or weather is required.

ADVANTAGES

- ▲ superb resistance to weather conditions and abrasion
- ▲ resistant to oil and mild-chemical splashes
- ▲ resistant to sea and drinking water exposure as well as petroleum products
- ▲ dries fast
- ▲ high quality decorative effect – no yellowing, no chalking

TECHNICAL PROPERTIES

• Density, ($\pm 0,1$) kg/dm ³	1,3
• Recommended film thickness per one coat, dry/wet, μm .	80/120
• Dry time (20 °C): 1 degree (tack-free), min	15
• 3 degree (dry-to-touch), min	60
• 6 degree, min	90
• Pot life at 20 °C, h	8
• Full cure at 20 °C, days	7
• Theoretical coverage at film thickness 80 μm dm ³ /m ²	0,12
• Solids (± 2), % by volume	65
• VOC in a ready-to-use product, g/l	420
• Recommended number of coats	1-2

GLOSS: eggshell

COLOR: colors according to RAL/NCS or custom colors according to client's samples

PRODUCT APPLICATION

PREPARATION OF MIXTURE – precisely mix part I with part II – (Part II item number – 0504-100-0000) in the following ratio:

	by volume	by weight:
△ part I	100	100
△ part II	10	8

Amount of thinner 8002: 0-3% by volume.

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

Application methods:

- airless sprayer: \varnothing 0,43-0,48mm; 10-15 Mpa
- brush
- roller
- conventional sprayer (after thinning to 50-60s viscosity according to DIN \varnothing 4)

APPLICATION

Surface – the higher degree of surface cleanness the longer period of paint durability. The coating 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 dry, free from any contaminants, degreased – cleaned to at least Sa 2* cleanness degree for immersed surfaces or at least St 3* cleanness degree for exterior surfaces.
- Aluminum surface must be dry, degreased and tarnished with non-woven abrasive fabric
- Remove zinc corrosion products (white rust) from the surface of weathered galvanized steel. Clean the surface with hot water, water jet, steam or power blast.

Painting and curing conditions

- surface temperature above 0°C (free from ice and frost)
- surface temperature above dew point (omitting condensation)
- relative humidity up to 80%
- good ventilation

SHELF LIFE: 7 months from the production date in original unsealed container.

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