

TECHNICAL DATA SHEET

Item number: 0502-100-XXX0

Product name: ALMAPUR 4,5+1

ALMAPUR

Description: A general usage polyurethane enamel topcoat. It provides a non-chalking high quality decorative coating in high gloss and very durable color. It is recommended as a topcoat on epoxy and polyurethane systems on surfaces exposed to various weather conditions and chemicals. The coating in shades of white exhibits solar radiation reflection above 70%.

CERTIFIED PRODUCT: Hygienic Certificate number 78/779/83/2010 issued by Marine and Tropical Medicine Institute

ADVANTAGES

- ▲ superb resistance to abrasion and weather conditions
- ▲ superb color and gloss retention
- ▲ good mechanical resistance
- ▲ provides high quality decorative effect – does not yellow and chalk
- ▲ resistant to oil splashes and mild chemicals
- ▲ resistant to waterwork and marine water exposure as well as petroleum products

RECCOMENDED USE

Recommended as a topcoat on epoxy and polyurethane systems on surfaces exposed to various weather conditions and chemicals. It can be used as a finish coat on farming and construction machinery, bridge structures, steel constructions, above-water water sport equipment, ships, metal elements and wherever a high mechanical, chemical and weather conditions resistance and durability are required.

TECHNICAL PROPERTIES

• Density, ($\pm 0,1$) kg/dm ³	1,2
• Recommended film thickness per one coat, dry/wet, μm .	50/90
• Dry time (20 °C): 1 degree (tack-free), h	3
3 degree (dry-to-touch), h	7
• Pot life at 20 °C, h	2
• Full cure time at 20°C, days	7
• Theoretical coverage at film thickness 50 μm dm ³ /m ²	0,09
• Solvents (± 2), % by weight	36
• Solids (± 2), % by volume	58
• VOC in a ready-to-use product, g/l	450
• Recommended number of coats	1-2

GLOSS: high gloss

COLOR: selected colors consistent with RAL/NCS or individual 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	4,5	100
• part II	1	20

Amount of thinner (item number 8010): 0-3%. After 15 minutes of thorough mixing of the components 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 viscosity around 40 according to \varnothing 4 Ford cup)

APPLICATION*

Surface- Properly prepared surface must be dry and free from: salts, grease, oil, flaking rust and other contaminants.

Following coatings re-coat time:

the shortest/the longest for recommended coat thickness
▲ at 20°C – 8h / 2 months

Painting and curing conditions

- surface temperature above the dew point (omitting condensation)
- substrate temperature above 0°C (free from ice and frost)
- 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.