

TECHNICAL DATA SHEET

Item number: 0502-100-XXX0

Product name: ALMAPUR 4,5+1

ALMAPUR

Product description: A two-component, general purpose polyurethane topcoat. It gives high-quality, non-chalking decorative coatings with high gloss and color durability. Recommended as a topcoat in epoxy and polyurethane systems on objects exposed to atmospheric influences and aggressive chemicals. The white coating shows the ability to reflect solar radiation above 70%.

CERTIFICATE of the Institute of Maritime and Tropical Medicine - hygienic certificate No. 78/779/83/2010. National Technical Assessment issued by the Road and Bridge Research Institute in Warsaw no.IBDiM-KOT-2020/0610 1st edition.

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

RECOMMENDED 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 topcoat on farming and construction machinery, the upper parts of water sport equipment, ships, bridge structures, steel constructions, 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/layer, μm .	50/90
• Drying time (20 °C): 1 degree (dust 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
• Solids content (± 2), % by volume	58
• VOC in a ready-to-use product, g/l	450
• Recommended number of layers	1-2

GLOSS: high gloss

COLOR: a wide range of colors

APPLICATION METHOD

Preparation of the 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

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|-----------|-----|-----|
| • part I | 4,5 | 100 |
| • part II | 1 | 20 |

Amount of thinner (item number 8010): 0-3% by volume.

After 10 minutes (at 20 ° C) the paint is ready to use.

Application methods:

- airless spray: \varnothing 0.33-0.38 mm; pressure 100 - 200 bar
- air spray (after dilution to a viscosity of approx. 40 s according to DIN \varnothing 4 cup)

APPLICATION

Surface- Epoxy paints from the ALMADUR and ALMARUST group, dry, without traces of corrosion, free of salt, grease, dust and other impurities.

Time to apply the next layers:

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

ADDITIONAL INFORMATION

The minimum thickness of ALMAPUR coating in sets V, VI and VII should be in the range of 60 μ m to 90 μ m to ensure the corrosivity class in accordance with the National Technical Assessment.

For set V: C4 durability period H. For set VI and VII: C5 durability period H

Painting and curing conditions

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



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SHELF LIFE: 12 months from the production date in original unsealed container and 6 months for the hardener.

The above information cannot be considered complete or comprehensive. This information is based on laboratory research and practical experience and is to the best of our 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 damage caused by using the product in a manner inconsistent with the recommendations or for inappropriate purposes. We reserve the right to change the instructions without prior notice.

Updating 03.2021

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