

TECHNICAL DATA SHEET

Item number: 0502-220-XXXX

Product number: ALMAPUR VVHS

ALMAPUR VVHS

Description: Two-component, polyurea coating with very high content of solid parts. It contains active anticorrosive pigments and as such can be used as a single coat on steel surfaces. It creates premium, non-chalking, high-gloss coats which are very hard and resistant to abrasion and weather conditions.

ADVANTAGES

- superb resistance to abrasion and weather conditions
- fast drying
- used as a single coat system
- highly esthetic coat – no yellowing, no chalking
- good mechanical resistance
- suitable for application with spraying units for two-component paints

RECOMMENDED USE

Recommended as a single-coat protection for steel surfaces of agriculture and construction machinery. In a set suitable as a topcoat on epoxy primers for steel structures, metal parts, where high resistance to mechanical and weather conditions is required.

TECHNICAL PROPERTIES

● Density ($\pm 0,1$) kg/dm ³		1,5
● Recommended film thickness per one coat, dry/wet μm		80/100
● Dry time (at 20 °C): 1st degree (tack-free), min	15	
	3rd degree (dry-to-touch), min	50
	6th degree, min	60
● Pot life at 20 °C, min	60	
● Theoretical coverage at 80 μm film thickness, dm ³ /m ²		0,10
● Solid parts (± 2), % by volume	82	
● Solid parts (± 2), % by weight	90	
● VOC in a ready-to-use product, g/l	150	
● Recommended number of coats		1 – 2

GLOSS gloss

COLOR white gray graphite black

APPLICATION

Paint preparation – Mix thoroughly contents I and II (content II – 0504-220-0000) in the following proportions by volume: by weight:

- content I 2,5 100
- content II 1 30

It is recommended to prepare the amount that can be used in a period shorter than the pot life.

Thinner: 8010.

Do not use universal solvents containing alcohol.

Product application method:

- hydrodynamic spraying: Ø0,43-0,48 mm; 10 - 15 MPa czy Ø 0,48-0,63 mm; 10 - 20 MPa
- A spraying unit for two-component paints is recommended for this application.

SPOSÓB STOSOWANIA

Surface - the higher cleanness degree of a surface, the longer durability of the coating. The highest chemical and mechanical resistance are achieved when the coats are painted directly over steel substrates which have been sandblasted down to the minimal cleanness degree of Sa 2½*

- Steel surface: dry, free of any foreign contaminants, degreased - cleaned down to the minimal cleanness degree of Sa 2½*. It is recommended to phosphate cold-rolled steel surfaces for increased adhesion. The roughness profile should be at least medium – M – as defined by G ISO 8503-2 (G) comparator.
- Surfaces primed with the epoxy products from the ALMADUR and ALMAPUR PROTECT group: degreased, free of contaminants, thoroughly cleaned with water containing a detergent, dry. Old, previously coated surfaces which have exceeded the maximal time lapse between the subsequent coating should be roughened.
- Old surfaces with good adhesion: a properly prepared substrate should be dry and free of salt, grease, flaking rust and any other contaminants. Roughened if the maximal time lapse between the subsequent coating has been exceeded.
- It is important to choose the time and place that will ensure dry surface before coating.

Time lapse between subsequent coats	+20 °C	+5 °C
The shortest time before recoating with the same material	4h	12h
The longest time before recoating with the same material	8h	24h

Painting and curing conditions:

- Surfaces to be coated should be dry.
- The ambient and the work surface temperatures should not be lower than +5°C during application and drying.
- The paint temperature during mixing and painting should be above +15°C
- The temperature of the steel work surface should be at least 3°C higher than the dew point.
- Relative humidity during painting and drying should be below 80%.
- Curing agent (content II) reacts strongly with humidity of the air. It should be stored in dry ambient in sealed containers.
- Efficient ventilation.

SHELF-LIFE: 7 months from the production date in the original unsealed container at the temperature of 5-35°C and 6 months for the curing agent.

The above information, as much as is valid to the best of our knowledge — based on laboratory tests as well as on our hands-on expertise — should not be considered complete. As a manufacturer, we are not able to monitor all various conditions in which the product is applied or many other factors that can influence the final result of the product application and use. We are not responsible for any damages caused by any misuse of the product be it by not following our recommendations or by using the product for purposes other than intended by the manufacturer. We keep the right to modify the manual any time without prior notice.

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