



SWARCO VICAS SA

Anticorrosive and decorative paints



ALKYD SYSTEM

SWARCO | First in Traffic Solutions.

ALKYD SYSTEM

1 Field of use. Characteristics

ALKYD SYSTEM can be used for:

- ✓ anticorrosive protection and decoration of steel surfaces, used in indoor and outdoor spaces, located in environments with corrosivity class C1 ÷ C3 (from C1 - very low corrosion to C3 - medium corrosion), including equipment (Romanian Railways);
- ✓ decorating and protecting wooden surfaces;
- ✓ decorating and protecting concrete, masonry, brick surfaces.

Main features of ALKYD SYSTEM:

- ✓ good adhesion to support, flexibility, fastness to weather, impact resistance;
- ✓ resistance to neutral saline fog.

2 System compenence

Product	Ferrous metal surfaces	Wooden surfaces	Concrete surfaces
Grundziv	2 layers x 60-70 µm wet	-	-
Klass 300	2 layers x 60-70 µm wet	2-3 layers x 60-70 µm wet	2 layers x 60-70 µm wet
or			
Grundziv	2 layers x 60-70 µm wet	-	-
Util	2 layers x 60-70 µm wet	2-3 layers x 60-70 µm wet	2 layers x 60-70 µm wet
or			
Grundziv	2 layers x 60-70 µm wet	-	-
Prima Lux	2 layers x 60-70 µm wet	2-3 layers x 60-70 µm wet	2 layers x 60-70 µm wet

3 Technical data

Technical characteristic	Acceptance criteria			
	Grundziv	Klass 300	Util	Prima Lux
Color	gray, red oxide	On request, according to RAL card		
Solid content, %,minimum	76	80	75,5	75,5
Density, g/cm ³	1.1 -1.5			
Drying time, 23±2°C, hours: - touch - final	maximum 4 maximum 8	maximum 6 maximum 24	maximum 8 maximum 24	maximum 8 maximum 24
Application conditions	Ambient temperature:10÷35°C/ surface temperature:10÷40°C/relative humidity of the air max. 70% /concrete humidity max.4% /wooden humidity max.12%			
Spreading rate	8-10 m ² /kg and layer	6-8 m ² /kg and layer	7-9 m ² /kg and layer	8-10 m ² /kg and layer

4 Application methode

Methode	Grundziv	Klass 300	Util	Prima Lux
	DILUTION (with Dersol).			
○ AIRLESS: - nozzle diameter: 0.33-0.43 mm - pressure: 120-160 bar - viscosity: 35-50 sec. Ø 4 mm	maximum 5%	maximum 4%	maximum 5%	maximum 5%
○ Brush - viscosity: 35-50 sec. Ø 4 mm				
○ Compressed air gun: - nozzle diameter:1.2-1.8 mm - pressure: 3-4 bar - viscosity: 25-30 sec. Ø 4 mm	maximum 12%	maximum 12%	maximum 12%	maximum 12%

Homogenise the products by mixing in the original containers prior to the processing.

The successive product layers (Klass 300 / Util / Prima Lux) are to be applied 24 hours after applying the previous layer.

The successive layers of Grundziv are to be applied 8 hours after applying the previous layer.

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5 Preparing the surfaces

The surface must be dry, clean and free of grease, oil or other impurities.

Repainting old coatings	Before applying the products to a surface where another layer of paint has been applied, compatibility with the previous layer must be checked. Applying the product to old paint layers should be done after mechanical roughening of the surface with abrasive discs.
Ferrous metal surfaces	Preparation up to grade Sa 2 ½ according to SR EN ISO 8504-2 (for surfaces prepared by sandblasting). Prepare to Mechanical Prepare 3 according to SR EN ISO 8504-3 (for manual or mechanical cleaning). Grundziv must be applied within 4 hours from blasting / mechanical preparation. Application of Klass 300/Util/Prima Lux on metal surfaces must be done within 24 hours from the application of Grundziv.
Wooden surfaces	The new wood surfaces to be painted must be clean, with no structural defects (knots, cracks). If necessary, remove stains of grease, dirt by washing with detergents and water. Where it is necessary to use solvents (DERSOL) to remove grease, this operation will be followed by washing with detergents and water. After washing, the surface need to be dried. Sandpaper with abrasive paper or sanding belts to remove all irregularities and roughness of the wood, then wipe away the sawdust and dust.
Concrete	Surface components that prevent adhesion to new layers (fine mortar / concrete slurry) must be removed by appropriate processes (eg high pressure water, fine milling, etc.). The new surfaces to be painted must be fully cured (eg, the conventional time allowed for concrete hardening is 28 days at 20 ° C). Removal of eventual efflorescence by scraping with mechanical shims / procedures at 15-day intervals. Operations continue only after efflorescence has stopped.

NOTE: All application instructions, information regarding the field of use as well as the performance data in this Technical Data Sheet, are general in nature, therefore we recommend testing the products under the specific usage scope and user's own application technology. Please consult the manufacturer for additional clarifications. The final decision on the desirability for using the products is the exclusive responsibility of the user.