

Technical data sheet

PROTECT 373 UHS

Alkyd primer UHS






Modified fast-drying primer based on alkyd resin.


USE:

- Means of transport
- Machines and equipment

PROPERTIES

- High solid content – 60% by volume
 - High yield
- Good hiding power and flowability
 - Good filling properties
 - Good chemical resistance
- Application of thick layers is possible
 - Good mechanical resistance
- Possibility of the application up to 200 µm wet in a single layer

SUBSTRATES				
Steel	Clean steel surfaces until reaching Sa 21/2 (wet blasting) or St3 (manual cleaning or using a power tool) in accordance with the PN-ISO 12944-4 standard; the surface after the treatment must be free from oil, grease, dust, loose old paint coating, mill scale, rust and foreign contaminants; the surface should exhibit the gloss of the metal substrate.			
Old paint coatings	Degrease and dry sand paper P220 – 360.			
Polyester putties	Dry sand, for final sanding P240 ÷ P320.			
MIXING RATIO				
	PROTECT 373 UHS	Volume ratio	Weight ratio	
		100	100	
VISCOSITY				
	DIN 6/20 °C	15 ÷ 25 s		
SPRAYING PARAMETERS				
 CAUTION: Instructions of the equipment manufacturer must be followed.	Conventional gravity fed spray gun	Nozzle	Pressure	Distance
	Airless spraying in air jacket	1.8 ÷ 2.2 mm	3 ÷ 4 bar	15 ÷ 20 cm
		0.33 ÷ 0.38 mm (0.013" ÷ 0.015 ")	150 ÷ 200 bar Air jacket 2 bar	10 ÷ 15 cm
APPLICATION				
	Number of layers	1 ÷ 2		
	CAUTION: The minimum alkyd primer thickness is 120 µm on steel substrates.			
	Single dry layer thickness.	70 ÷ 90 µm		
	Yield of the ready to apply mixture for a dry layer thickness in the provided range	approx. 7.5 m ² /l 0.13 g/ m ² at 80 µm PROTECT 373 UHS		
	The actual yield depends on the surface shape, roughness and application parameters.			
	Flash off between layers	5 ÷ 10 min.		

DRYING TIME				
	For the max. dry coating thickness of 80 µm.	Dust-free	10°C	20°C
			1 hour	15 min.
		Tack-free	2 hours	1 hour
		Operating hardness	6 hours	2 hours
COATABILITY				
Topcoat application time for a 80 µm thick primer.		10°C		20°C
		3 hours		45 min.
Coatable by all NOVOL alkyd topcoats. The time to recoat ranges from 45 min up to 3 hour or after 24 hours before sanding, assuming the coat is free of salts, grease, dust, and foreign debris. It is recommended to degrease and sand the coat after 7 days.				
TECHNICAL DATA				
Product	Solids content by weight	Solids content by volume	Density	Fineness of grind
PROTECT 373 UHS	≈ 79 %	≈ 60 %	≈ 1.60 g/cm ³	< 25µm
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
VOC II/B/c limit*		540 g/l		
Actual VOC content		330 g/l		
* For the ready to apply mixture compliant with Directive UE 2004/42/CE				
APPLICATION CONDITIONS				
The coated surface should be dry. It is recommended to mix the product before application for 1 min / 900-1000rpm, diameter of the agitator disc 100mm. The temperature of the coat, coated surface and environment should be between +10°C and +35°C at a maximum relative humidity of 80%. The coated surface temperature should exceed the dew point by a minimum of 3°C.				
TEMPERATURE RESISTANCE				
The operating temperature of the applied primer is between -60°C and +80°C. Transient temperatures up to +120°C maximum are permitted.				
COLOUR				
Grey				
EQUIPMENT CLEANING				
THIN 50.				
STORAGE CONDITIONS				
Store in a dry room, away from sources of flame and heat. Avoid direct exposure to sunlight. Recommended storage temperature: +5°C to +35°C.				

SHELF LIFE	
PROTECT 373 UHS	12 months/20 °C
SAFETY	
See Safety Data Sheet.	
OTHER INFORMATIONS	
Registration number: 000024104. The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to do a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control.	