

Technical data sheet

# PROTECT 371

Alkyd primer fast-drying






Modified fast-drying primer based on alkyd resin.


## USE:

- Means of transport
- Machines and equipment

## PROPERTIES

- 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 250  $\mu\text{m}$  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 371	Volume ratio	Weight ratio	
		100	100	
VISCOSITY				
	DIN 6/20 °C	unmeasurable		
SPRAYING PARAMETERS				
 <p><b>CAUTION:</b> Instructions of the equipment manufacturer must be followed.</p>	Conventional gravity fed spray gun	Nozzle	Pressure	Distance
	Airless spraying in air jacket	1.6 ÷ 2.0 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 <sup>2</sup> /l 0.13 g/ m <sup>2</sup> at 80 µm PROTECT 371		
	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
			1.5 hours	45 min.
		Tack-free	2 hours	1 hours
		Operating hardness	6 hours	2.5 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 1 hour to 7 days 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 371	≈ 72 %	≈ 60 %	≈ 1.3 g/cm <sup>3</sup>	< 25µm
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
VOC II/B/c limit*		540 g/l		
Actual VOC content		375 g/l		
* For the ready to apply mixture compliant with Directive UE 2004/42/CE				
APPLICATION CONDITIONS				
The coated surface should be dry. 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, black, red.				
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.				

<b>SHELF LIFE</b>	
PROTECT 371	12 months/20 °C
<b>SAFETY</b>	
See Safety Data Sheet.	
<b>OTHER INFORMATIONS</b>	
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