

Technical data sheet

PROTECT 340

Wash primer

One-component wash primer based on PVC epoxy resin. The wash primer contains anti-corrosion pigments based on zinc, aluminium and phosphorus oxides.

RELATED PRODUCTS

H5910







Hardener


USE:

- Means of transport
- Machines and equipment

PROPERTIES

- High yield
- Extremely good protection of poorly pretreated substrates
 - Perfect anticorrosion properties
- Perfect adhesion to numerous substrates

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.			
Galvanised steel, Aluminium	In order to produce a coarse substrate, use light abrasive blasting with round non-metallic abrasive grains or sand with P240 to P320 and then degrease.			
MIXING RATIO				
	PROTECT 340 H5910	Volume ratio	Weight ratio	
		1	100	
		1	80	
VISCOSITY:				
	DIN 4/20 °C	18 ÷ 20 s		
APPLICATION				
 CAUTION: Instructions of the equipment manufacturer must be followed.	Conventional gravity fed spray gun	Nozzle 1.2 ÷ 1.5 mm	Pressure 3 ÷ 4 bar	Distance 15 ÷ 20 cm
	Low-pressure spray gun, HVLP, gravity-fed	1.2 ÷ 1.3 mm	2 bar	10 ÷ 15 cm
	Number of layers	1 – 2		
	Single dry layer thickness.	5 ÷ 10 µm		
	Yield of the ready to apply mixture for a dry layer thickness in the provided range	approx. 12 m ² /l 0.08 l/ m ² at 10 µm PROTECT 340 + H5910 (1+1)		
	The actual yield depends on the surface shape, roughness and application parameters.			
	Mixture life at 20°C	48 hours		
	Flash off between layers	5 ÷ 10 min.		
Do not apply polyester putties, epoxy primers or acrylic basecoats directly on the wash primer.				

CURING TIME				
	For the dry layer thickness 10 µm.	10°C	20°C	
		30 min.	15 min.	
TECHNICAL DATA				
Product	Solids content by weight	Solids content by volume	Density	Fineness of grind
PROTECT 340	≈ 37 %	≈ 22 %	≈ 1.07 g/cm ³	< 12.5µm
H5910	≈ 2 %	≈ 2 %	≈ 0.82 g/cm ³	—
PROTECT 340 + H5910 (1+1)	≈ 20 %	≈ 12 %	≈ 0.95 g/cm ³	< 12.5µm
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
VOC II/B/c limit*		780 g/l		
Actual VOC content		780 g/l		
* For the ready to apply mixture compliant with Directive UE 2004/42/CE				
COLOUR MATCHING				
Not recommended.				
COATABILITY				
Minimum acrylic primer application time for a 10 µm thick primer.	10°C	20°C		
	30 min.	15 min.		
Coatable by all NOVOL primers. The maximum coating time is 7days at 20°C.				
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.				
COLOUR				
Red.				
EQUIPMENT CLEANING				
NC solvent.				
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.				
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.				

SHELF LIFE	
PROTECT 340	24 months/20 °C
H5910	24 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.	