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 phoshorus oxides.

RELATED PRODUCTS

H5910	Hardener

USE:

- Means of transport
- Machines and equipment

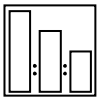
PROPERTIES

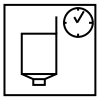
- High yield
- Extremely good protection of poorly pretreated substrates
- Perfect anticorrosion properties
- Perfect adhesion to numerous substrates

PROTECT 340

Technical data sheet
2018/08/28

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			
		Volume ratio	Weight ratio
	PROTECT 340	1	100
	H5910	1	80

VISCOSITY:		
	DIN 4/20 °C	18 ÷ 20 s

APPLICATION				
 **CAUTION:** Instructions of the equipment manufacturer must be followed.		Nozzle	Pressure	Distance
	Conventional gravity fed spray gun	1.2 ÷ 1.5 mm	3 ÷ 4 bar	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.				

PROTECT 340

Technical data sheet
2018/08/28

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 -60ºC and +80ºC.
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.