

UNIWIN W

Vinyl primer

UNIWIN W is a 1-pack, vinyl primer that contains active anticorrosive pigments.

The paint is used as anticorrosive primer. For steel constructions exploited in urban and industry atmosphere. UNIWIN W creates coating, with good adhesion to steel surface, flexible and mechanically resistant.



TECHNICAL DATA

Fields of application	Steel constructions		
Recommended substrate	Steel		
Binder	Vinyl		
Solids	40±2% by volume (ISO 3233)		
Total mass of solids	Approx. 860 g/l		
Volatile organic compound (VOC)	Approx. 490 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.		
Theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)
	40	100	10.0
	As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.		
Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.		
Colours	TO-820 light grey		
Gloss (60°)	Matt		
Thinner	Thinning is not recommended. In exceptional circumstances use TEKNOSOLV 1639.		
Storage	The storage stability is shown on the label. Must be stored tightly closed and kept cool and dry.		

DIRECTION FOR USE

Surface preparation

Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Before cleaning of surface, it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water.

STEEL SURFACES: Remove mill scale and rust by blast-cleaning to preparation grade Sa 2½ or by treating mechanically to preparation grade St 3 (ISO 8501-1). The preparation grade is chosen by the object and current corrosivity category. Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.

The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment. Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

Application method

Airless spraying, Brush

Application

Stir thoroughly before use.

Apply by airless spray or brush.

Airless spray parameter:

Nozzle size 0.013 - 0.019".

Nozzle pressure 10-15 MPa.

Depending on application and type of construction, other thickness of a single layer can be assumed instead of recommended. Typical dry film thickness range using airless spray is from 20 to 80 microns. Changing the thickness of the coating changes the theoretical consumption, thickness, weight of dry coating, drying time, time of recoating and finishing work.

Application conditions

The surface to be treated must be dry. During the application and drying period the temperature of the ambient air shall be above -10°C (frost- and ice-free surface) and at least 3°C higher than dew point of the ambient air. Adequate ventilation during application and drying period is recommended.

Drying time	+23 °C / 50% RH (dry film 40 µm)	
- dust free	after 1 h	
- touch dry	after 2 h	
Overcoatable	Surface temperature	By itself
		Min. Max.
	+23 °C	3 h unlimited
Teknos vinyl or acrylic paints are recommended for overcoating. Given times relates to the recommended coating thickness, drying in good ventilation conditions. These times may change with a change of temperature, ventilation, number of layers and the thickness of the coating. Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.		

Cleaning TEKNOSOLV 1639

HEALTH AND SAFETY

Safety and precaution measures See safety data sheet.

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