

TEKNOCRYL AQUA PRIMER 2936

Water-borne acrylic primer

TEKNOCRYL AQUA PRIMER 2936 is a one-component, air-drying, water-borne acrylic primer.

It contains corrosion-protective pigments and is intended for priming steel, aluminium, or zinc surfaces in both indoor and outdoor applications. The primer dries quickly, provides good corrosion protection, and offers excellent resistance to sagging.



TECHNICAL DATA

Recommended substrate	Steel, Aluminium, Zinc									
Binder	Acrylate									
Solids	Approx. 38% by volume Approx. 54% by weight									
Volatile organic compound (VOC)	Approx. 60 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	<table border="1"><thead><tr><th>Dry film (μm)</th><th>Wet film (μm)</th><th>Theoretical spreading rate (m^2/l)</th></tr></thead><tbody><tr><td>40</td><td>100</td><td>9.5</td></tr><tr><td>60</td><td>150</td><td>6.3</td></tr></tbody></table> <p>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.</p>	Dry film (μm)	Wet film (μm)	Theoretical spreading rate (m^2/l)	40	100	9.5	60	150	6.3
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Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.									
Colours	RAL 7035 and RAL 9005.									
Gloss (60°)	Matt									
Thinner	Water.									
Density	Approx. 1.33 g/ml									
Storage	The storage stability is shown on the label. Store in a cool place and in tightly closed containers. It is recommended to use the product within 14 days of opening. Must not freeze.									

DIRECTION FOR USE

Surface preparation

Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Remove also water-soluble salts by using appropriate methods. The surfaces are prepared according to the different materials as follows:

STEEL SURFACES: Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.

ZINC SURFACES: Hot-dip-galvanized steel structures that are exposed to atmospheric corrosion can be painted if the surfaces are sweep blast-cleaned (SaS) till matt all over. Suitable cleaning agents are, e.g. aluminium oxide and natural sand. It is not recommended according to standard ISO 12944-5 to paint hot-dip-galvanized objects that are subjected to immersion strain. It is recommended that new zinc-coated thin-plate structures are treated with sweep blast-cleaning (SaS).

ALUMINIUM SURFACES: Surfaces that are exposed to weathering are also roughened up with sweep blast-cleaning (AlSaS) or sanding.

OLD PAINTED SURFACES SUITABLE FOR OVERCOATING: Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are removed. The surfaces must be dry and clean. Old, painted surfaces that have exceeded the maximum overcoating time are to be roughened as well.

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, Air-assisted airless spraying

Application

Stir thoroughly before use.

Suitable airless nozzle size 0.011 - 0.018".

Spray evenly to the specified film thickness. Special care should be taken when spraying edges, corners and welding joints. Small areas can also be painted with a brush, but in this case one additional coat has to be applied in order to achieve the specified film thickness.

Application conditions

The surface to be treated must be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +15 °C and the relative air humidity 40-70%. Additionally, the temperature of the surface to be treated and the product must be at least +3 °C above the dew point of the ambient air.

Painted objects should be kept indoors at a temperature of at least +20 °C for a minimum of 48 hours under normal ventilation before exposure to moisture or cold.

Drying time	+23 °C / 50% RH (dry film 40 µm)										
- dust free	30 min										
- touch dry	60 min										
Overcoatable	<table border="1"><thead><tr><th rowspan="2">Surface temperature</th><th colspan="2">By itself or by topcoats of the TEKNOCRYL-or INFRALIT-series</th></tr><tr><th>Min.</th><th>Max.</th></tr></thead><tbody><tr><td>+23 °C</td><td>3 h (5 h INFRALIT-series)</td><td>-</td></tr></tbody></table>			Surface temperature	By itself or by topcoats of the TEKNOCRYL-or INFRALIT-series		Min.	Max.	+23 °C	3 h (5 h INFRALIT-series)	-
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The values given for drying times and overcoatability may vary depending on film thickness and drying conditions.

Cleaning Water.

HEALTH AND SAFETY

Safety and precaution measures See safety data sheet.

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