TEKNOCRYL AQUA 2935-20

Water-borne single coat paint

TEKNOCRYL AQUA 2935-20 is a one-component, air-drying, water-borne single coat paint based on acrylate dispersion. Contains active anticorrosive pigments.

Intended for single coat painting on steel, aluminium or zinc, but can also be used as a topcoat in systems including a primer. The paint dries quickly, has very good anticorrosive properties and can be applied in thick layers without defects such as cracking.

TECHNICAL DATA

Recommended substrate	Steel, Aluminium, Zinc
Binder	Acrylate
Solids	Approx. 41% by volume Approx. 53% by weight
Volatile organic compound (VOC)	Approx. 72 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)
60	150	6.9
80	200	5.2

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	RAL 7021 and RAL 9005.
Gloss (60°)	Matt
Thinner	Water.
Density	Approx. 1.25 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 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. Apply preferably by airless spray or airless spray equipped with air-assisted pistol. 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. The temperature of the ambient air, the surface and the product shall be above +15 °C and the relative air humidity 40-70%. Low relative humidity increases the risk of dry spray, and the levelling may also be poorer. 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 are by normal ventilation conditions to be kept indoors at a temperature of min. +20 °C for a minimum of 48 hours before exposed to moisture and cold.
Drying time	+23 °C / 50% RH (dry film 60 µm)
- dust free	30 min
- touch dry	1,5 h
- through dry	48 h
- forced drying	60 °C – stackable after 30 min
Overcoatable	

Surface temperature	**By itself or by topcoats of the TEKNOCRYL series**	
	Min.	Max.
+23 °C	5 h	-

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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