

# TEKNOCRYL AQUA 2780-00

## Air-drying primer

Air drying, thixotropic water-borne primer used as a protection of steel against corrosion. Can be used as a single-coat - primer and topcoat in one product.



Good adhesion provides effective protection against corrosion of steel. Good adhesion to aluminium, zinc, silumin, copper, brass, and some plastic types such as acrylic, PVC, polystyrene, polycarbonate, ABS, and SMC. Is thixotropic in formulation, which provides a good "safety margin" if the coating is applied in thick coats. Is produced without use of anti-corrosion pigment containing chromate.



## TECHNICAL DATA

<b>Recommended substrate</b>	Aluminium, Zinc, Plastic, Steel		
<b>Solids</b>	Approx. 38% by volume		
<b>Total mass of solids</b>	Approx. 400 g/l		
<b>Volatile organic compound (VOC)</b>	Approx. 58 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.		
<b>Theoretical spreading rate</b>	<b>Dry film (µm)</b>	<b>Wet film (µm)</b>	<b>Theoretical spreading rate (m<sup>2</sup>/l)</b>
	40	100	12
<b>Colours</b>	Available in all RAL and NCS-S colours or at your request.		
<b>Gloss (60°)</b>	Matt, Semi-gloss		
<b>Thinner</b>	Water.		
<b>Storage</b>	The storage stability is shown on the label. Store in a tightly closed container. Must not freeze.		

## DIRECTION FOR USE

<b>Surface preparation</b>	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:  COLD ROLLED STEEL: Clean with suitable pre-treatment chemical agent.
----------------------------	--

WARM ROLLED STEEL: Shot blasting or sandblasting to preparation grade SA 2½ according to ISO standard 8501-1:1988.

ALUMINIUM: Suitable chemical pre-treatment.

ELECTRIC ZINC-COATED STEEL: Suitable chemical pre-treatment.

HOT-ZINC-COATED STEEL: Hot-zinc-coated 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 to paint zinc-coated objects that are subjected to immersion strain.

#### Application method

Conventional spraying, Airless spraying

#### Application

Equipment	Thinner	Suggested viscosity DIN-cup 4 mm +20°C
Conventional spraying	Water	50-100 s
Airless spraying		Undiluted or up to approx. 5% water

#### 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 below 70%.

Adhesion to plastic should be tested before production as different varieties may occur depending on the type of plastic.

#### Drying time

+23°C / 50% RH

#### - dust free

30 min. (ISO 1517)

#### - touch dry

1-2 h (ISO 3678)

#### - overcoatable

3 h

#### - forced drying

+80°C / 50% RH:

- through dry: 30 min.

The drying times are based on a film thickness of approx. 40 µm dry film and a relative air humidity of max. 60% and air circulation.

#### Cleaning

Water. A solution of water and TEKNOCLEAN 6480-00 may also be used.

## HEALTH AND SAFETY

#### Safety and precaution measures

See safety data sheet.

**Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091**

The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos' Technical Data Sheets and Safety Data Sheets are available from our homepage [www.teknos.com](http://www.teknos.com). All trademarks displayed on this document are the exclusive property of Teknos Group or its affiliated companies.