

**TEKNOCRYL AQUA 2K 2520**
NISO - acrylate top coat

PAINT TYPE	TEKNOCRYL AQUA 2K 2520 is a two pack, water-borne NISO -acrylate paint. The hardener is isocyanate free special hardener.
USAGE	Used as top coat in painting systems with epoxy paints, e.g. TEKNOPOX AQUA PRIMER 3 and TEKNOPLAST PRIMER 7. Can be used on TEKNOCRYL AQUA PRIMER 7 and TEKNOCRYL AQUA COMBI 2780 Acrylate Primers.
SPECIAL PROPERTIES	The paint dries quickly and produces a durable film with a good mechanical and weather resistance.

TECHNICAL DATA

Mixing ratio	Base	2 parts by volume	
	Hardener (Comp. B): TEKNOCRYL AQUA 2K HARDENER 7325	1 part by volume	
Pot life, +23 °C	8 h		
Solids	42 ±2% by volume		
Total mass of solids	abt. 640 2520-05: abt. 750 g/l		
Volatile organic compound (VOC)	abt. 60 g/l		
Recommended film thickness and theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)
	40	95	10,5
	60	142	7,0

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.

Drying time at +23°C / 50% RH (dry film 40 µm)

- dust free (ISO 9117-3:2010)	after 20 min
- touch dry (ISO 9117-5:2012)	after 3 h

Overcoatable, 50% RH (dry film 40 µm)

surface temperature	by it self	
	min.	max.
+10°C	after 16 h	after 6 months
+23°C	after 3 h	after 6 months

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Thinner	Water
Clean up	Water or TEKNOCLEAN 6480 washing agent
Finish	TEKNOCRYL AQUA 2K 2520-09: gloss TEKNOCRYL AQUA 2K 2520-05: semi-gloss
Colours	RAL-5003, RAL-5019 and ABB Blue (MUNSEL 8B4.5 / 3.25) The paints are included in the Teknomix tinting system.

DIRECTION FOR USE**Surface preparation**

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

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. Damaged parts are prepared in accordance with the requirements of the substrate and the maintenance coating.

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.

Mixing of the components

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before painting the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.

Application

Before use stir the paint thoroughly.

Dilute with water 0 - 10 % if required.

Apply by brush, conventional spray or airless spray. Suitable airless nozzle size 0.011 - 0.013".

Application conditions

The surface to be painted must be dry. During the application and drying period the temperature of the ambient air, the surface and the paint shall be above +10°C and the relative air humidity below 70%.

Additionally the temperature of the surface to be painted and the paint must be at least 3°C above the dew point of the ambient air.

Cleaning of the equipment

When painting equipment used for application of solvent-borne paints is used for water-borne paints the equipment must be cleaned carefully:

1. Wash with solvent.
2. Wash with washing solvent for water-borne paints, e.g. TEKNOSOLV 6060.
3. Rinse with water.

When shifting from water-borne to solvent-borne paints act in reverse order.

ADDITIONAL INFORMATION

The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

MUST NOT FREEZE.

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. 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 data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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