

AKVANOR 80 TOPCOAT

TECHNICAL DATA SHEET 1/20

PROPERTIES AND RECOMMENDED USAGE

Paint type

AKVANOR 80 TOPCOAT is acrylic based, water-borne, semigloss one component top coat for metal and masonry surfaces.

The product is a part of a complete system which meets the requirements of IMO FTPC being a material with low flame-spread characteristics and not producing excessive quantities of smoke and toxic products at elevated temperatures (Certificate NO VTT-C-11308-15-15).

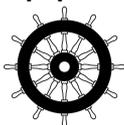
Typical and recommended uses

AKVANOR 80 TOPCOAT is used as a top coat in mild to moderate atmospheric corrosivity categories C1-C3. Can be used in machinery, ship interiors, exteriors of steel containers etc. steel surfaces. Masonry surfaces such as indoor walls and ceilings in warehouses, factories and washing plants etc.

Chemical resistance

Resistant to occasional water and aliphatic solvent splashes. It is not resistant to acids and alkalis.

Quality system approval according to Marine Equipment Directive 2014/90/EU



0809

TECHNICAL DATA

Volume solids*	45 %
Total mass of solids*	620 g/l
VOC value*	25 g/l

* Values are calculated

Packaging

	Volume (l)	Size of container (l)
Akvanor 80 Topcoat	20	20

Drying time 50 µm / RH 60 %

	+10 °C	+15 °C	+23 °C
Surface dry	45 min	20 min	15 min
To handle	16 h	6 h	30 min
To recoat with itself	20 h	8 h	3 h
Humid air resistant	48 h	24 h	20 h

Drying times are typical on recommended film thicknesses at given temperatures.

Calculated theoretical coverage and recommended film thickness

Dry	Wet	Coverage
50 µm	110 µm	9.1 m ² /l
60 µm	135 µm	7.5 m ² /l

Practical coverage

Depends on wind conditions, structure to be painted, roughness of the surface and application method.

Colour

A limited range from industrial and RAL colour chart colours. The objects painted with the same shade, but using different paint types, might have differences in the appearance and shade due to the variation in the paint properties, gloss levels and application methods.

Thinner

Water

Cleaner

Water

Finish

Semi gloss

APPLICATION INSTRUCTIONS

Surface preparations

All solid impurities that could prevent adhesion should be removed from the surfaces to be painted. Remove salts and other water soluble impurities using fresh water with brush, high pressure-, steam- or alkali cleansing. Remove grease and oils by alkali-, emulsion- or solvent cleansing (SFS-en ISO 8504-3, SFS-EN ISO 12944-4). The surfaces should be rinsed carefully with fresh water after cleansing. Old, painted surfaces, in which maximum overcoating interval has expired, additional roughening with suitable method is recommended. The place and time for the surface preparation should be chosen correctly, to avoid contamination and moistening of the treated surface before the paint application.

Primer

AKVANOR 81 PRIMER, NORMAPRIME, NORMASPEED 100 PRIMER, EPOCOAT 21 PRIMER

The priming coat must be completely unbroken and free from rust before the top coat is applied.

Top coat

AKVANOR 80 TOPCOAT

Environmental conditions during application

The surface should be dry and clean. During application and drying time the temperature of the paint, air and surface should be above +10 °C and the relative humidity below 70 %. The best result will be achieved, if the surface temperature is above +15 °C and the relative humidity below 50 %. The surface temperature should be min. 3 °C above the dew point of the air.

Method of application

Use airless spray, mohair roller or brush. The paint must be thoroughly mixed before application. Can be thinned with deionized water if necessary (0-5 %). In order to ensure the best possible performance of the product, it is recommended that the paint is at room temperature before the application.

Disclaimer

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, as the paint is often used under conditions beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without notice. Please contact our office for more specific information. The product is intended for professional use only. If there are deviations in the different language versions of the technical data sheets, the English version applies.

Airless spray

Stainless steel. High pressure airless spray with a nozzle tip of 0,013"-0,018" orifice. Spray angle depending on the object to be painted. To avoid solvent contamination of the water-borne paint the spraying equipment has to be conditioned before use. All equipment containing solvents in the pump, hoses and gun have to be thoroughly cleaned according to the following instructions. If the application equipment is made in stainless steel, designed for and only used for application of water-borne coatings this preparation and cleaning procedure is not needed.

Before spraying

Circulate thinner OH 17 through the equipment and hoses. Then thinner OH 04 before fresh clean water.

After spraying

Clean the equipment and hoses with water and detergent, then circulate thinner OH 04 and finally thinner OH 17.

Storage and shelf life

The product must be stored in original sealed containers at temperatures from 5 °C to 30 °C. The storage conditions are to keep the containers in a dry, well ventilated space away from source of heat and ignition. When stored as described above, the unopened product will keep up to 2 years from the date of manufacture. The manufacturing date found in the label is also the batch number of the paint.

Safety

Please follow the environmental and safety instructions displayed on the container and Safety Data Sheet. Use under well ventilated conditions. Do not breathe or inhale mist, use respirator mask. Avoid skin contact. Spillage on the skin should immediately removed with suitable cleanser, soap or water. In case of contact with eyes, rinse immediately with plenty of clean water and if necessary seek medical advice.