



TECHNICAL DATA SHEET

Description and destination of the product

Neoprop Ultra Hard Propellor fouling release coating is high solid low VOC topcoat. In combination with our two component Neowash primer it gives the best results for a Fouling Release Solution.

The outstanding properties of Neoprop Topcoat are:



Isocyanate free



High solids content



Allows for high humidities during drying process



Cross linking also at low temperatures (even at 5°C)



Can be applied by roller, brush or sprayer.



Conform the most severe regulations regarding health, safety and environment

Color: transparent
Gloss: (ISO 2813): 60°: 92 % ± 2

Technical Data



Density: 20°C

Paint (A):

1.12 ± 0.05 KG/l

Hardener (B):

0.98 ± 0.02 KG/l



Solids content:

(A + B) (ASTM D 2697-68)

Weight : 96 ± 2 %

Volume: 93 ± 2 %



Viscosity:

Din cup 4 (Din53211) A+B:

90±10sec

KrebsUnit A+B:

72K.U.±2



VOC:

30 to 32 g/L

Technical Data (continued)



Indicative drying times (R.H. 75%) for 133 micron dry layer thickness:

	Dust free	Solid Dry	Fully hardened
20°C	4 hours	24 hours	7 to 10 days



Theoretical yield: 6,85 m²/L for a wet coat of 140 µm (133 µm dry).
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.



Mixing Ratio:

Paint:	Weight: 6g	Volume: 4 cc
Hardener:	Weight: 1g	Volume: 1 cc

Surface preparation

All surface contaminations that could hamper the removal of corrosion should first be removed with appropriate means. Surfaces that are polluted with grease or oil should be washed down with solvents, alkaline solutions or emulsifier. Salts or other water dilutable contaminations should be removed with water and brush, water under high pressure or jet.

In order to avoid problems of interlayer adherence, it is recommended to apply the following coat within 2 hours. If this isn't possible, the previous coat should be light sanded with scotch brite type A.

For more detailed application instructions: please download the Application Manual from our website: www.neosil.eu.

Use

After mixing of the paint (A) + hardener (B), the paint is ready to use after an induction time of 30 to 45 min. At low temperatures, if necessary, dilute with 5% Neosil reducer. One layer of 100 to 140 µm wet results in a layer of 95 - 133 µm dry

Neoprop Ultra Hard Propellor Fouling Release Coating can be applied with brush, roller, pneumatic or airless gun.

At extreme temperatures, humidity circumstances or air stream, Neosil reducer is recommended for airless gun application. The recommended layer thickness is 100 to 140 microns, depending on the system. The material can be cleaned with thinner. In favourable conditions, a maximum layer thickness of 140 microns (wet) can be reached. A higher layer thickness will effect the fouling release conditions negative!

Important: Drying time of 72 hours (minimum) must be respected before relaunching the vessel.

Application conditions

Neoprop Ultra Hard Propellor Fouling Release Coating can be applied at temperatures between between + 5 °C and + 40 °C, while the relative humidity has no influence on the drying process.

Open pot life is 3.5 to 4 hours (at 20°C).

Storage stability

Minimum 12 months in the original, unopened packing, stored in a dry environment at temperatures between +10°C and +40°C.

Safety measure

For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet. The last update of our technical data sheets is always available at our website: www.neosil.eu.

Disclaimer

The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Dutch Durable Coatings B.V. doesn't guarantee the functionality or result and takes no responsibility in this respect.

We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.

Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.