



KÖSTER MPC Antifouling

- DNV-GL, Type Approval Certificate, Certificate No. TAK00001YK, valid until Oct. 7, 2025, "DNV GL class program DNVGL-CP-0110 -Type approval - Anti-fouling systems

Fast drying, natural resin antifouling for the draft area of ships and concrete structures

Features

KÖSTER MPC Antifouling is a fast-drying antifouling based on natural resin. Due to its high content of copper oxide it is suitable as a coating for the draft (underside) of ships in a wide variety of maritime climates. Furthermore, in combination with KÖSTER Polysil TG 500 2C concrete structures can be protected against fouling. The product does not contain any organotin compounds as active biocides and complies with the requirements of the "International Convention on the Control of Harmful Antifouling Systems on Ships", as accepted by the IMO in October 2001 (IMO document AFS / CONF / 26).

Technical Data

Mixing ratio	7:1
Percent solids	approx. 97%
Standard layer thickness	50/51 µm (TSD/NSD)
Theoretical consumption	19.6 m ² /l (according to percent solids and wet layer thickness)
Spez. Dichte	Ca. 1.58 g/l
Flash point	+25 °C
VOC	≤ 40 g/l (DIN ISO 11890)
Farbbezeichnung	CKF 3559, Oxide Red

Fields of Application

KÖSTER MPC Antifouling can be used for normal coating during regular maintenance intervals in docks and, thanks to its unique smooth surface, achieves long-lasting protection of the upper and lower parts of the ship against fouling, e.g. caused by algae growth.

Substrate

Steel: The surface must be free from any contamination. It is primed with KÖSTER Corrosion Protection.

Concrete: Concrete substrates must be primed with KÖSTER Polysil TG 500 2C and must be prepared in accordance with the information on the technical data sheet for KÖSTER Polysil TG 500 2C.

Application

KÖSTER MPC Antifouling can be ideally applied to the substrate with an airless sprayer (preferred nozzle size: 0.4 mm - 0.5 mm). Can be thinned with _____. The coating intervals should be based on the following table:

	+5 °C	+10 °C	+20 °C	+30 °C
Drying time	1 h	40 min	20 min	15 min
Re-coatable	6 h	4 h	3 h	2 h

The waiting time until loading depends on the environmental conditions and the layer thickness

Consumption

19.6 m²/l

Packaging

CT 291 025

25 kg combipackage (22 kg A component; 3.14 B component)

Storage

Store in a cool, but frost-free place. In originally sealed containers it can be kept for a minimum of 12 months.

Safety

Avoid inhalation of vapors and skin contact. Wear protective gloves and goggles and other suitable protective clothing when working. In general, the hazard warnings on the containers and the safety advice in the safety data sheets must be observed, as well as the relevant regulations of the professional associations. Observe all local, state, and federal guidelines when applying the material.

Other

KÖSTER MPC Antifouling is supplied without color pigmentation and the high content of copper oxide influences the color. Color deviations are therefore possible from batch to batch. Discoloration of KÖSTER MPC Antifouling after application is possible due to the oxidation of the copper oxide by air or other atmospheric components. These discolorations are strictly surface phenomena and do not affect the antifouling performance of the product.

Liquid polymers also react to temperature fluctuations through changes in viscosity or hardness. The specified temperature ranges must therefore be strictly observed during processing. Coating work is only to be carried out at falling or constant temperatures. Lower temperatures cause a slower reaction, higher temperatures and larger mix amounts of material cause accelerated hardening.

A dew point distance of +3 °C must be maintained before, during, and after the coating work and for the duration of the drying process. Protect coatings from moisture until completely dry.

Related products

KÖSTER Polysil TG 500 2C	Prod. code CT 117
KÖSTER MPC Primer	Prod. code CT 191 025
KÖSTER Corrosion Protection	Prod. code CT 283 006

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.