

MARINE PAINTS

NAUTIX

TECHNICAL DATA SHEET

COOLBLACK

Marine topcoat with low heat absorption



SUBSTRATE

GRP | Plywood | Polyester | Steel | Epoxy



12m²/L



DESCRIPTION

COOLBLACK topcoat is a "cold" finishing paint with low heat absorption. Thanks to its special pigments, heat absorption can be reduced by up to 35% compared to a classic black topcoat. This improves the protection time of black composite structures (carbon, fibreglass, etc.) and limits the negative effects of post-curing. In addition, black sailboats will also benefit from better insulation and a cooler atmosphere in the cabin, reducing the need for air conditioning.

MAIN FEATURES

COVERAGE	12m ² /L
VOLUME RATIO	3 base 1 hardener
WEIGHT RATIO	4 base 1 hardener
DRY EXTRACT	47-50 (% VOLUME)
FLASH POINT	23°C < FP < 55°C
UNIT SIZE	0.75L – 2L
TYPICAL SHELF LIFE	5 years
THINNER / CLEANER	Nautix DP
SPECIFICATION	Pro only
COLOR	Black
FINISH	Gloss

DRYING AND OVERCOATING

TEMPERATURE	10°C	15°C	20°C	30°C
Life pot	12h	9h	7h	4h
Overcoating by itself*	6h-48h	5h-36h	3h-24h	2h-18h
Sandable	8h	6h	4h	2h
Touch dry	6h	5h	3h	2h
Complete hardening	10h	8h	7h	5h

h=hours min=minutes

*Minimum overcoating time recommended

SURFACE PREPARATION

The substrate must be clean and dry. Depending on the substrate, refer to the FT of the undercoats for more information.

ON U2 UNDERCOAT OR L2 TOPCOAT

- The substrate must be completely covered by the white U2 or L2.
- Refer to product data sheets for more details.
- Polish the surface with P240-P400 to promote adhesion, rinse with fresh water and allow to dry.

ON COOLBLACK

- See «Application» and «Application» sections for application instructions.
- For optimum effectiveness, the dry film should be 40-50µm thick.

FINISH

To improve the protection of the COOLBLACK paint film and obtain a super gloss or satin finish, we strongly recommend overcoating the black paint with Nautix VA2 varnish.

SPECIAL ADVICE

Beware of dust in the immediate vicinity during application.

Allow to dry before recoating.

Cover with VA2 varnish in one coat to facilitate handling.



HINTS

- Application methods: spray
- Apply between 10 and 30°C (ideally indoors with humidity below 85%).
- Do not paint a substrate if there is the slightest risk of condensation forming on the surface (dew point): The temperatures of the ambient air, the substrate and the product must be very close.
- Avoid application in adverse weather conditions: strong wind, direct sunlight, high/low temperatures, high humidity or rain. Allow the solvents to evaporate naturally and do not heat the ambient air after application. Do not use forced ventilation directly on the surface.
- When opening the pots, beware of possible overpressure which could cause the catalyst to spurt out.
- Mix the base thoroughly before adding the hardener. Mix only as much as you need.
- Allow the mixture to stand for 10 minutes before application.
- Do not apply at the end of the day, as ambient humidity may cause a loss of gloss.
- Strictly observe the drying times before recoating.

APPLICATION

AIRLESS SPRAY

- Application in 2 coats depending on material.
- Pressure 2 bar, nozzle 1.2 - 1.5 mm.
- Dilution (volume) with Nautix DP: 20% maximum.

AIRLESS INFO

Number of coats: 2
Theoretical coverage per coat: 12m²/L
Recommended WFT* per coat: 100µm max
Recommended final DFT**: 40-50µm

**WFT: Wet Film Thickness / **DFT: Dry Film Thickness*

INFORMATIONS

OPERATOR PROTECTION

- Paint for professional use.
- Before use, read this sheet, the label and the product information carefully.

TRANSPORT AND STORAGE

- The product must be transported and stored in hermetically sealed containers that are not permeable to solvents.
- Do not expose to the open air, sunlight or extreme temperatures. To keep the product in good condition, recap the can after use, turn the jars upside down and store between 10°C and 25°C. Do not expose to sunlight.

SAFETY

- Carefully read the safety advice given in the Health and Safety section, which is also available from Nautix and its retailers.

WASTE

- Empty cans and soiled waste must be disposed of in accordance with current municipal regulations on the treatment of hazardous products, for example by taking them to a waste collection centre or using dedicated bins. Do not dispose of waste in drains or waterways. Use the bins provided. It is advisable to allow paint residues to harden before disposing of them.

GENERAL

- The information given in this data sheet is not exhaustive. Anyone using this product for purposes other than those recommended, without prior written confirmation from us as to the feasibility of such use, does so at their own risk. Nautix cannot be held responsible. This information is subject to change without notice.