



EURONAVY ENGINEERING EP21

Underwater epoxy coating

Technical Data Sheet

Description: **EURONAVY ENGINEERING EP21** is a 100% solids high performance epoxy coating, designed for underwater application using conventional tools.

USE: **EURONAVY ENGINEERING EP21** may be applied over iron and steel, in several marine applications.

Technical Data:

Colours	White - EP2100; Light grey - EP2110.
Finish	Glossy
Mixing Ratio	By weight: 5 (base): 1(curing agent) – By volume: 4(base):1(curing agent)
Curing Agent	KEP21
Specific Gravity (mixture)	1,30 ± 0,04 Kg/dm ³
Solids by Volume	100% (theoretical)
Flash Point	Base: > 100°C; Curing Agent: > 100°C
Theoretical Covering Capacity	3.84 m ² /Kg – 200 microns
Typical Film Thickness	Wet: 200 microns; Dry: 200 microns
VOC (Volatile Organic Compound)	0 g/Lt
Pot life	40 minutes (23°C)
Drying and Overcoating	Surface dry: 9 h at 23°C. Recoating period: min. 24 h (23°C); max. 7 days (23°C).
Ambient and Substrate Temperature	Ambient: min. 10 °C. Substrate: min. 10°C.
Packing	5 Kg.
Approvals	Euronavy Engineering



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APPLICATION GUIDE:

SURFACE PREPARATION Gently clean surface with pneumatic rotating machine over entire area to be painted. Remove all loose materials, fouling, grease and loose coatings.

MIXING AND THINNING **EURONAVY ENGINEERING EP21** is a two pack product. Both containers contain the proper ratio of ingredients. The entire contents of container must be mixed together as supplied. Stir base to obtain smooth homogeneous condition not longer than 2 minutes. Add the curing agent slowly to the base under continuous stirring for 3 minutes. **Use the total content of each container.** Use a speed adjustable power mixer.

APPLICATION **EURONAVY ENGINEERING EP21** can be applied by brush and roller.

EURONAVY ENGINEERING EP21 should be stored in a cool well ventilated place, protected from high temperatures. The containers must be kept tightly closed.

Shelf life: 24 months.

Thinner for cleaning purposes: T003.

SAFETY Cause eye and skin irritation. Reaction vapor may cause respiratory irritation in sensitive individuals. May cause allergic skin reaction. Avoid breathing vapors. Do not get in eyes on skin or clothing. Ear, eye and skin protective equipment. Use of appropriate respiratory is recommended to avoid potential respiratory irritation (particularly in confined spaces). Wash skin thoroughly after use and water. If left to cure inside the container, an exothermic reaction occurs for the M version. In case of eye contact immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin contact area with soap.

This is not a specification and all information is given in good faith. Every values presented as Theoretical were calculated from the product formula, unless otherwise mentioned, and can deviate from laboratory measurements using standard methods that may be not applicable, giving the nature of the products. If requested, Euronavy Engineering can inform any internal measurement method used to determinate any given value presented. This Technical Data Sheet content can be changed without previous notice. Since conditions of use are beyond the manufacturers control information contained herein is without warranty, implied or otherwise, and final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of user. The product is intended for professional use only. Manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. For application in special conditions please consult Euronavy Engineering for detailed recommendations.