



EURONAVY ENGINEERING EE02

FAST DRY solvent free epoxy coating

Technical Data Sheet

Description: **EURONAVY ENGINEERING EE02** is a modified solvent free epoxy (amine cured), designed to be surface tolerant. It provides high anticorrosive performance, with great *fast dry* properties. It has excellent anticorrosive properties, good chemical resistance and excellent impact resistance. It has no dew point restrictions or relative humidity restrictions.

USE: **EURONAVY ENGINEERING EE02** can be applied as a primer, intermediate or finish coat. It is specially designed to achieve a *fast dry* performance. Can be applied on ships, marine structures, offshore platforms and many other industrial applications. Can be applied on wet or dry surfaces.

Technical Data:

Colours	Red oxide - EE02062; Grey - EE02750; White - EE02000; Black - EE02099.
Finish	Glossy
Mixing Ratio	By weight: 5.2 (base): 1(curing agent) – By volume: 3.3(base):1(curing agent)
Curing Agent	KEE02
Specific Gravity (mixture)	1,32 ± 0,03 Kg/dm ³
Solids by Volume	100% (theoretical)
Flash Point	> 102°C (ASTM D56)
Theoretical Covering Capacity	8 m ² /Lt – 125 microns
Typical Film Thickness	Wet: 125 microns; Dry: 125 microns
VOC (Volatile Organic Compound)	0 g/Lt
Pot life	10 minutes (23°C)
Drying and Over coating	Surface dry: 4 h at 23°C and 50% relative humidity Recoating period: min. 8 h (23°C); max. 7 days (23°C).
Ambient and Substrate Temperature	Ambient: min. 5 °C; max. 50°C Substrate: min. 5°C; max. 50° C
Packing	4 Lt.
Approvals	Euronavy Engineering



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APPLICATION GUIDE:

SURFACE PREPARATION **New steel:** Oil and grease shall be properly removed. Wash the surface with high-pressure water to remove salt and other soluble contaminations. Abrasive blasting to Sa 2½, accordingly to ISO 8501-1. After blasting the surface should be carefully cleaned to remove abrasive dust.

Maintenance: Oil and grease shall be properly removed. **EURONAVY ENGINEERING EE02** can be applied over hydroblasted, abrasive blasted or mechanical treated surfaces. **EURONAVY ENGINEERING EE02** moisture tolerance allows a clean water surface washing before painting. Thus, salt contaminations can be highly reduced. **EURONAVY ENGINEERING EE02** iron oxides tolerance allows to proceed with the coating application even over flash rusted surface equivalent to M grade at SSPC VIS4(I) / NACE N.º7 standard.

MIXING AND THINNING **EURONAVY ENGINEERING EE02** is a two-pack product. Both containers contain the proper ratio of base and curing agent. The entire contents of each 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. **Thinning is not recommended.** However, if necessary due to operation limitations, thinning is allowed with T003 - epoxy thinner (max. 3% v/v).

APPLICATION **Recommended primer:** **EURONAVY ENGINEERING EE02** can be used as a primer.
Film thickness: can be applied with various thickness, depending on the purpose, application method and application area.
EURONAVY ENGINEERING EE02 can be applied by roller, brush or airless spray. When airless equipment is used, a 60:1 (or larger) with a 6 bar inlet pressure is recommended. Use a 0,19 to 0,21 tip size.
Dehumidification is not necessary, since **EURONAVY ENGINEERING EE02** can be applied on wet surfaces. Avoid applying over a running water film, water puddles or under direct rain impact.
When working in confined spaces, good ventilation should be provided.
If the maximum recoating period is exceeded it is necessary to reactivate the surface with: high pressure wash (400 bar) or grinding. In the last case the surface should be carefully cleaned before the repainting.
EURONAVY ENGINEERING EE02 should be stored in a cool well ventilated place, protected from high temperatures. The packs must be kept tightly closed.



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Shelf life: 18 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 resulting in a big rise in temperature.** 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.