VIK E 80

Epoxy High Build Finish

NATURE AND USE

Two Component Epoxy product, high solids content for high build application, suitable as finishing in coating systems of new items and suitable also for maintenance coating on works such as piles, tanks, carpentry, on/off-shore structures, steel or cement made. The coating forms a hard, compact film, highly resistant to marine and industrial environment, and it is also highly abrasion resistant.
The product can be over-coated and undergo maintenance coating during at least 18 months from the completion of its application with no need at all of mechanical preparation of the substrate to be coated.
Note: Like all materials of the same nature and type, also VIK E 80 polymerized film, when exposed in air in external ambient, due to the action of atmospheric agents (sun, rain etcetera) may undergo colour changing with chalking and tarnishing. These phenomena are only aesthetic ones and do not indicate a loss of the corrosion protection property from the coating as the characteristic of the film is not altered.

The product complies with ENEL Dco (P14)Specifications

TECHNICAL DATA

Type of Binder:		Epoxy - Polyamine
Viscosity Ford Cup 4 @ +25°C:		Thixotropic A+B
Specific Gravity A+B:	kg/l	1,35 ± 0,1 According to the colour @ +20°C
Solids by Weight:	%	88 ± 2 % A+B
Solids by Volume:	%	83 ± 2 % A+B
Mixing Ratio by Weight:		87 parts of Base / 13 parts of Hardener
****Pot life @ +25°C:**		About 1 hour
Max continuous Service Temperature °C		+80/+90°C (In air, dry conditions)
Colour:		On request

SUBSTRATE PREPARATION

All Types : Free from oil, grease and from any contaminant residual . After roughening, accurate de-dusting. Verify that the surfaces to coat are always perfectly free from traces of moist and dust.

Steel: Sandblasting minimum at SA 2,5 according to ISO 8501/1 for steel with minimum roughness profile Rz DIN 30 – 40 µm. Suitable and compatible Primer, eventual intermediate coating application.

Concrete: Lightly abraded or roughening sandblasting, first coat of priming very thinned, with suitable and compatible undercoat , possibly followed by an intermediate

PRODUCT PREPARATION

Stir each component, base and hardener in the original supply can to reach homogenization.
Mix the components in the right mixing ratio and agitate the mix for 5 minutes to reach complete homogenization of the mix, then pour into the dedicated tank of the application/spraying equipment.
Let the mix rest for 5 minutes before starting the application.

** The "POT LIFE" time of two components products (time within which it is possible to apply the paint mix of Base and Hardener), is exponentially dropped by the increase of product temperature.
Note: The use of a mix of paint (Base + Hardener) over the POT LIFE time is irreparably compromising all the properties of the coating film.**

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Azienda con sistema di gestione qualità UNI EN ISO 9001:2015 certificato da CISQ/Certiquality - Certificato Nro 2134

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APPLICATION DETAILS

Application Method:		Standard Airless Spray with compression ratio 45:1 minimum Conventional Spray Roller, Brush
Thinning:		0 – 10% according to the application method
Thinner:		Epothinner
Cleaning:		Epothinner Wash the equipment immediately after use
Hardening @ 25°C:		Touch dry 4 – 6 hours Through dry 18 -36 hours
Overcoating @ +20°C:		24 hours Min. / Max. 18 Months After 48-72 hours we recommend a light sandpapering
Application Ambient Temperature:		Between +5°C and +35°C
Suggested Temperature of the product:		+20 ÷ +30°C
Substrate Temperature:		+5 / +40°C always at least +3/5°C above dew point
Relative Humidity:		≤ 85%
Film Thickness per coat		Min. 50 µm / Max. 150 µm dry (DFT)
Theoretical spreading rate:	sqm/kg	3,5 - 4,5 at the thickness of 150 µm dry (DFT)

HANDLING STORAGE AND SAFETY PRECAUTIONS

Warning: All handling and/or use activities of the material and its components must strictly refer to the given indications in the Safety Data Sheet (Base and Hardener). The following advices are stated by common sense and in good faith, they are uncompleted and do not substitute the content of each specific safety data sheet of the product.

Handling: The material must be used only by professional and qualified applicators suitably trained. All the operations involving the use of the product, must be carried on in compliance with all the relevant National Health, Safety & Environmental standards and regulations.

Precautions: When the product is used in enclosed areas (rooms, containers, vessels, etc.) it is imperative to use adequate means providing the necessary air circulation, to be granted during the whole application and coating polymerization time, also to avoid conditions open to potential explosion danger.
All electrical installations must always be grounded. Where explosion hazards exist, the workmen should be required to use only non-ferrous tools and wear conductive non-sparking shoes and clothing. Explosion and flame-proof equipment too are required.

Storage and transport: Keep far from flames, sparks or heat sources. Do not leave exposed under direct solar action. Store under shelter in original unopened packaging, in cool, dry and ventilated areas, at temperatures between +5°C and +35°C.

Shelf life: **12 months** in the suggested storage conditions (original unopened packaging)

N.B.: **Product for professional use only and exclusively for the uses not regulated under CE Directive 2004/42/CE.**

Refer to Material Safety Data Sheet

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