PIPECOAT 200 EP-WB

Two component water based epoxy paint

NATURE AND USE

Pipecoat 200 EP-WB is a water based Epoxy- Polyamine coating to protect internally and externally pipelines Dedicated to transport fresh undrinkable water, sea water, service and foul water. This innovating product fulfil regulations in force to reduce the Volatile Organic Compound emissions (VOC) during its spray application and offers excellent applicability properties together with good corrosion protection and chemical resistance. The cured film improves pigging operations, hydrostatic tests on the pipe and allows considerable increase of the transported flow. It offers prolonged durability advantages in long term protection against corrosion of internal and external substrate of the pipeline.

TECHNICAL DATA

Specific Gravity A+B	Kg/l	1,25 ± 0,1 @ +20°C
Solids by Weight:	%	64 ± 2 % A+B
Solids by Volume:	%	57 ± 2 % A+B
Mixing Ratio by Weight:		100 parts of Base / 20 parts of Hardener
Mixing Ratio by Volume:		5.5 parts of Base / 1 part of Hardener
****Pot life @ +20°C:**		≤30 minutes
Temperature Resistance:		Up to +80°C in dry air and without simultaneous mechanical stress
Colour (ready to use):		Sky blue

SUBSTRATE PREPARATION

Surfaces should be abrasive blasted at least to Swedish Standard of SA 2 ½ according to ISO 8501-1 with a medium roughness of about 40 - 50 µm Rz DIN (Cut off 2,5).

PRODUCT PREPARATION

Mix the two components separately. Add component B to component A and stir until the complete homogenization is reached.

** 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.** with compression ratio 45:1 minimum,

APPLICATION DETAILS

Application method:	Dual feed Hot Airless Spray for two-component with Compression ratio 45:1 minimum (nozzle pressure about 160 atm.) nozzle Ø 13-23 Thou with different fan width depending on the diameter of pipes to be coated.
Thinning:	The product is supplied ready for use. Should thinning in particular environmental conditions be required, only demineralised water can be added, up to a maximum of 3 – 5 %
Cleaning:	Cleaner for water based epoxy products
Defects repair:	Should a defect in the film appear, roughen the affected area. Clean and repair the same by brush application until the suitable thickness is reached.

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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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Hardening @ +25°C		Touch dry 1-2 hours Through dry 18-24 hours Fully cured 7-10 days @ +25°C
Overcoating interval @ +20°C:		Min 4-6 hours / Max. 24 hours
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%
Suggested thickness:		100-120 µm dry (DFT) 180–215 µm wet (WFT) Min. 80 – Max. 150 µm. dry (DFT) Min. 140 – Max. 270 µm wet (WFT)
Theoretical spreading rate:	sqm/l **sq**m/kg	5,2 at the suggested thickness 4,1 at the suggested thickness

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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