technical data sheet

revision date : 03/05/2015

- product name : EPOREX US

Product is compliant with directive 2004/42/EC

building sector
see note 1
2004/42
IIAi(500)500

pictogram legend

2004/42	Reference to EC Directive
IIBe	Annex, Table and Sub-category of product
(840)	Limit value of VOC with reference to the product sub-category
580	Maximum VOC content in product ready for use

IT CAN BE PRODUCED IN TINTING SYSTEM :

VUS BINDER 85

BPN 15

note 1: 10% thinning with X 5 - catalyse with Q 118

- general features

Two-component semi-gloss enamel, based on epoxy-polyamide resins and inert pigments.
High chemical resistance (with Q 107).
High hardness and adhesion.
Like all epoxy coatings with outdoor exposure it can pulverize and change colour, however its resistance features are not compromised.

- use

This enamel is usually used in industrial sector, to protect tanks containing diluted acids and alkali, or chemical substances in general. Test before use. It is suitable also for protection of metallic frames dipped in sweet or salt water. It can be applied on iron after pre-treatment with mechanic devices or after sanding. It is also used as anti-dust for industrial floors, on carefully cleaned and humidity free concrete.

- recommended cycles

As finishing coat, apply one or two coats of EPOREX US on epoxy, epoxy-vinyl or inorganic zinc plated primers or intermediate coats, in compliance with overcoating times.
During application and polymerisation, the temperature must not go below 15°C and relative humidity must not be higher than 85%, and the structure must be at least 3°C above dew point in order to prevent blooming, matting and - if applied directly - also rust.
Apply one or more coats of EPOREX US on pre-treated surfaces respecting the overcoating times and taking pot-life into account.

- application and thinning method

roller : 5 – 10% with X 5 (epoxy)
spray : 10 – 15% with X 5 (epoxy)
airless : 5 – 10% with X 5 (epoxy)

- technical and supply data

specific weight : min. : 1.420 g/l - max. : 1.550 g/l

solid content : by weight : min. 70,0 % - max. 75,0 %
by volume : min. 54,0 % - max. 61,0 %

viscosity 25°C thixotropic

film appearance : semi-gloss 60 -70 gloss

colour : on demand all the dyes of the "EUROMIX" system

product type : two-component

catalysis ratio :	by wgt	by volume
US	100	100
Q118	25	refer to our technical office
US	100	100
Q107 high chem. resist.	25	refer to our technical office

pot-life at 25°C : 6 hours

dry film thickness : 40 - 50 microns

theoretical coverage : min. 9 m²/l - max. 10 m²/l

drying at 25°C :
dust free : 15 - 20 minutes
touch free : 60 - 80 minutes
depth : 16 - 18 hours
polymerised : about 7 days

baking : 40 minutes at 80°C

overcoating time :
min. wet on wet - max. 48 - 72 hours

temperature resistance : 90°C

shelf life : 24 months at + 5/35°C.

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