technical data sheet

revision date : 30/07/2022

- 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
II	Annex, Table and Sub-category of product
0	Limit value of VOC with reference to the product sub-category
0	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 Q107)only on sandblasted $Sa2^{1/2}$
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 industrial machines that are used inside industrial structures protected from sunlight. It can be applied directly to metal after mechanical treatment or sanding. It is also used as anti-dust for industrial floors, on carefully cleaned and humidity free concrete. It can be used as OILPROOF after checking the resistance of the oil to be used.

- recommended cycles

As top coat, apply one or two coats of EPOREX US on epoxy, epoxy-vinyl primers or intermediate coat, or on organic zinc, 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 and matting. Apply one or more coats of EPOREX US on pre-treated surfaces respecting the overcoating times.
If applied on industrial floors, washing with brushing machines and aggressive detergents is **not recommended**. Also reproduction of vivid colors such as red, green, blu is **not recommended**.

- 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 %

film appearance : semi-gloss 60 -70 gloss
colour : on demand
product type : two-component
pot-life at 25°C : 6 hours
dry film thickness : 40 - 50 microns

catalysis ratio :

	by wgt	by volume
US	100	
Q118	25	refer to our technical office
US	100	
Q107 high chem. resist.	25	refer to our technical office
US	100	
Q120N high adhesion on zinc	25	refer to our technical office

Attention: we do not recommend using Q107 in colors containing BP27N "Violet" as this hardener causes significant color changes.
Furthermore the use of Q107 significantly reduces the gloss level (GLOSS) and can cause color changes compared to Q118 and Q120N.

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

baking : 60 minutes at 60°C

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

temperature resistance : 90°C

shelf life : 24 months at + 5/35°C.

EP vernici s.r.l. Via Roma,12 I-48027 Solarolo (RA) tel.+39 0546 53322 fax +39 0546 53323 email: laboratorio@epvernici.it www.epvernici.it