technical data sheet

revision date : 30/07/2020

- product name : EPOREX UL

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

VUL BINDER 80

BPN 20

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

- general features

Two-component gloss enamel, based on epoxy-polyamide resins and inert pigments.
High chemical resistance (with Q 107). Direct application only on sanded surface SA 2 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 tools and machines that are used inside industrial structures protected from sunlight. It can be applied directly to metal after mechanical treatment or sanding. It can be used as OILPROOF after checking the resistance of the oil to be used.

- painting cycles

As top coat, apply one or two coats of EPOREX UL 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 and matting.
Apply one or more coats of EPOREX UL directly on pre-treated structures, complying with the overcoating time.

- application and thinning method

spray : 15 – 20% with X 5 (epoxy)
airless : 10 – 15% with X 5 (epoxy)

- technical and supply data

specific weight : min. : 1,390 g/l - max. : 1,560 g/l

solid content : by weight : min. 66,0 % - max. 72,0 %
by volume : min. 51,0 % - max. 56,0 %

film appearance : gloss 80 -85 gloss
colour : on demand
product type : two-component

catalysis ratio :

	by wgt	by volume
UL Q118	100 40	refer to our technical office
UL Q107 high chemical resis	100 40	refer to our technical office
US Q120N high adhesion on zinc	100 40	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.

pot-life at 25°C : 6 hours
dry film thickness : 40 - 50 microns
theoretical coverage min. 9.0 m²/l - max. 10.0 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 : 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