technical data sheet

revision date : 30/09/2020

- product name : EPOREX UB

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

VUB BINDER 85

BPN 15

note 1: 5% thinning with X 5 - catalyse with Q102 - Q 118

- general features

Two-component gloss enamel, based on epoxy-polyamide resins and inert pigments formulated to obtain top coats with a textured effect.
High chemical resistance (with Q 107). Direct application only on sanded surface SA 2 1/2 ,
High hardness and adhesion.
Good gloss and scratch resistance.

- 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.

- painting cycles

As top coat, apply one or two coats of EPOREX UB 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 UB directly on pre-treated structures, complying with the overcoating time.

- application and thinning method

spray : **1° coat :** 15 – 20% thinning with X 5 (epoxy).
: Nozzle: mm. 1,5 – 1,8. Pressure: 2,5 - 3 bar
2° coat : 0 – 5% thinning with X 5 (epoxy).
Nozzle: mm. 2,5 – 3,5. Pressure: 1 – 1,5 bar.

- technical and supply data

specific weight : min. : 1,450 g/l - max. : 1,580 g/l

solid content : by weight : min. 73,0 % - max. 79,0 %
by volume : min. 60,0 % - max. 66,0 %

film appearance : semigloss - textured
colour : on demand
product type : two-component

catalysis ratio :	by wgt	by volume
UB	100	
Q102 (fast)	20	refer to our technical office
UB	100	
Q118 (fast)	25	refer to our technical office
UB	100	
Q107 high chemical resistance	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.

pot-life at 25°C : 6 hours
dry film thickness : 50 - 60 microns
theoretical coverage min. 8,0 m²/l - max. 9,0 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

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