technical data sheet

revision date : 03/05/2015

- product name : ISOPOL ZON

Product is compliant with directive 2004/42/EC

car refinish
see note 1
2004/42
IIBe(840)580

pictogram legend

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

IT CAN BE PRODUCED IN TINTING SYSTEM :

BINDER VZON 80
BPN 20

note 1: 10% thinning with X4 - catalyse with QA 2028

- general features

Two-component polyurethane enamel based on modified polyester resins with matt appearance.
Excellent weather resistance and stability to light if catalized with aliphatic isocyanate.
Very good resistance to scratching.
Painting film is hard, elastic and water-proof.

- use

ISOPOL enamels, because of their polyurethane nature, are suitable as anti-corrosive for high-quality painting mostly in the industrial sector and steel work in general.

- recommended cycles

Apply one or two coats of ISOPOL ZON on epoxy-, epoxy vinyl and acrylic-polyurethane primers or intermediate coats, in compliance with overcoating times. During application and polymerisation, it is advisable to work with ambient temperatures not lower than + 15°C and relative humidity not higher than 85%, with a temperature of the structure at least 3°C above dew point, in order to prevent blooming and irregular matting.

- application and thinning method

spray : 10 - 15% with X 4 (polyurethane)
airless : 5 - 10% with X 4 (polyurethane)

- technical and supply data

specific weight min. 1.330 g/l **- max.** 1.480 g/l

solid content : by wgt = min. 58,0 % **- max.** 64,0 %
by vol. = min. 57,0 % **- max.** 63,0 %

viscosity DIN 4/25°C : min. 100" - max. 120"

film appearance : matt 15 - 25 gloss

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

product type : two-component

catalysis ratio :	by wgt	by volume
ZON	100	100
QA 2028	25	refer to our technical office
ZON	100	100
winter QA2009	25	refer to our technical office
ZON	100	100
QA2045 extra quick	25	refer to our technical office

pot-life at 25°C : 6 hours

dry film thickness : 40 - 50 microns

theoretical coverage : min. 8.0 m²/l - max. 11.0 m²/l

drying at 25°C :
dust free : 10 - 20'
touch free : 2 - 4 hours
depth : 18 - 24 hours
polymerised : about 7 days

baking : 1 h at 80°C

overcoating time :
min. 30 minutes - max. within 6 - 8 hours

- product name : ISOPOL ZON

temperature resistance : 100°C

shelf life : 24 months at + 5/35°C

- recommended cycles

a)	**3-product cycle on ferrous structures in anti-corrosion**		
1	**pre-treatment**	:	sanding grade **SA 2,5/3**
2	**one coat of**	:	**ZINCLAX PA 2** thickness 60/70 µ
3	**one coat of**	:	**EPOVIN UV** thickness 80/100 µ
4	**one or two coats c**	:	**ISOPOL ZON** thickness 40/50 µ
b)	**2-product cycle on ferrous structures in anti-corrosion**		
1	**pre-treatment**	:	sanding grade **SA 2/2.5**
2	**one coat of**	:	**EPOZINC PZ** thickness 70/80 µ
3	**one coat of**	:	**ISOPOL ZON** thickness 40/50 µ
c)	**2-product cycle on zinc plated surfaces**		
1	**pre-treatment of the structure**	:	light sanding or pickling with suitable aggressive solutions
2	**one coat of**	:	**EPOZINC PZ+Q120N** D.F.T. 20/30µm
3	**one coat of**	:	**ISOPOL ZON** thickness 40/50 µ

- tests carried out :

aging resistance pursuant to ASTM 53 – 77 standard	
	duration of exposure = **300 hours**
cycle a)	no loss of tint or shine
cycle b)	no loss of tint or shine