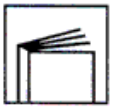
technical data sheet

revision date : 12/11/2015

- product name : ISOPOL Z

Product is compliant with directive 2004/42/EC



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

car refinish
see note 2
2004/42
IIBd(420)420

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

VZ BINDER 70 coloured VZTD82 whites
BPN 30

note 1: 0% thinning - catalyse with QA 2028
note 2: 5% thinning with X4 - catalyse with QA 2067

- general features

Two-component ANTI-SCRATCH polyurethane enamel based on modified polyester resins with high gloss, hardness and elasticity as well as excellent resistance to scratches and water.

- use

ISOPOL Z 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 Z on epoxy, epoxy vinyl and acrylic-polyurethane primers and 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 matting.

- application and thinning method

spray : 5 - 10% with X 4 (polyurethane)
airless : 0 - 5% with X 4 (polyurethane)

- technical and supply data

specific weight VZ min. 1,090 g/l - max. 1,280 g/l
VZTD82 min. 1,250 g/l - max. 1,300 g/l

solid content : VZ by weight = min. 51,0 % max. 58,0 %
by volume = min. 51,0 % max. 60,0 %
VZTD82 by weight = min. 70,5 % max. 72,0 %
by volume = min. 58,0 % max. 60,0 %

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

film appearance : gloss 90 - 95 gloss

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

product type : two-component

catalysis ratio :	by wgt	by volume
Z - ZTD82	100	100
QA 2028	50	refer to our technical office
Z - ZTD82	100	100
winter QA2009	50	refer to our technical office
Z - ZTD82	100	100
QA2045 extra quick	50	refer to our technical office
Z - ZTD82	100	100
QA2067 UHS	25	refer to our technical office

pot-life at 25°C : 6 hours

dry film thickness : 40 - 50 microns

theoretical coverage min. 9.0 m²/l - max. 11.0 m²/l

drying at 25°C :
: 10 - 20'
: 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 Z

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**	**ISOPOL Z** 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 Z** 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+Q 120** thickness 20/30µm
	3	**one coat of**	**ISOPOL Z** thickness 40/50 µ

- tests carried out :

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

resistance to salt fog ISO 9227	
cycle a)	over 400 hours
cycle b)	300 hours

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