


- product name : ISOPOL ZS

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 VZS **75**
BPN **25**

- general features

Two-component ANTI-SCRATCH polyurethane enamel based on modified polyester resins with satin appearance, high hardness, elasticity and water-proofing. Excellent weather resistance and stability to light if catalyzed with an aliphatic compound. Very good resistance to scratching.

- use

ISOPOL ZS 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 ZS on epoxy, epoxy vinyl and acrylic-polyurethane primers or intermediate coats, in compliance with overcoating times.

- application and thinning method

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

- technical and supply data

specific weight min. 1,180 g/l - max.1,330 g/l

note 1: 10% thinning with X4 - catalyse with QA 2067

solid content : by wgt = min. 56,0 % - max. 65,0 %
by vol. = min. 49,0 % - max. 54,0 %

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

film appearance : semi-gloss 50 – 60 gloss

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

product type : two-component

catalysis ratio :	by weight	by volume
ZS	100	100
QA 2028	50	refer to our technical office
ZS	100	100
winter QA2009	50	refer to our technical office
ZS	100	100
QA2045 extra quick	50	refer to our technical office
ZS	100	100
QA2067 UHS	25	refer to our technical office

pot-life at 25°C : 3 hours

dry film thickness : 40 - 50 microns

theoretical coverage : min. 9 m²/l - max. 11 m²/l

drying at 25°C :

dust free : 15 - 20 minutes
touch free : 2 - 3 hours
depth : 9 - 10 hours
polymerised : about 7 days

baking : 1 h at 80°C

The information given in this technical data sheet is based on present scientific and technical knowledge and thus does not exempt the customer from testing the suitability of our products for their intended purposes.

- product name : ISOPOL ZS

overcoating time :

min. 30 minutes - max. within 6 - 8 hours

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 of the	: 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 of	: ISOPOL ZS 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 ZS 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 20/30 μ
3	one coat of	: ISOPOL ZS 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

The information given in this technical data sheet is based on present scientific and technical knowledge and thus does not exempt the customer from testing the suitability of our products for their intended purposes.