technical data sheet

revision date : 03/02/2018

- product name : ACRIMAX AP

Product is compliant with directive 2004/42/EC

car refinish
see note 1
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 :

VAP BINDER 70 coloured VAP82 whites
BPN 30

note 1: 5% thinning with X36 - catalyse with QA 2067

- general features

Two-component finishing coat based on modified acrylic resins, without heavy metals such as chrome and lead.
Excellent resistance to weather, stability at light and long-lasting colour retention.
Very good gloss and colourfulness.

- use

Because of the characteristics of the raw materials used, this product is recommended for high-quality painting mostly in the industrial car refinish sector and steel work in general.

- painting cycles

Apply one or two coats of ACRIMAX on epoxy, epoxy vinyl, polyacrylic intermediate coats or primers, complying with the overcoating time and taking pot-life into account.
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 matting or incomplete drying.

- application and thinning method

spray : 5 - 10% with X 36 (acrylic)
airless : 0 - 5% with X 36 (acrylic)

- technical and supply data

specific weight VAP min. 1.050 g/l - max. 1.200 g/l
VAP82 min. 1.250 g/l - max. 1.300 g/l

solid content : VAP by weight = min. 59,7 % max. 73,0 %
by volume = min. 55,0 % max. 62,0 %
VAP82 by weight = min. 70,0 % max. 78,0 %
by volume = min. 62,0 % max. 64,0 %

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

film appearance : 95 - 98 gloss (**ASTM D – 523** glossmeter 60°)

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

product type : two-component

catalysis ratio :	by wgt	by volume
AP	100	100
QA 2028	50	refer to our technical office
AP	100	100
QA 2009	50	refer to our technical office
AP	100	100
QA 2067	30	33 - 35

pot-life at 25°C : 6 hours

dry film thickness : 40/50 micron

theor. coverage : min. 10,5 m²/l - max. 14,5 m²/l (QA 2067)

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

baking : flash off time : 20'
stoving : 30' at 80°C

overcoating time : min. 30' - max. 8 hours

temperature resistance: b cycle 90°C

shelf life : 24 months at + 5/35°C.

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- recommended cycles

a)	**3-product cycle on ferrous structures**		
	pre-treatment	:	sanding grade **SA 2,5/3**
	one coat of	:	**ZINCLAX PA 2** thickness 60/70 µ
	one coat of	:	**EPOVIN UV** thickness 80/100 µ
	one or two coats of	:	**ACRIMAX AP** thickness 40/50 µ
b)	**2-product cycle on ferrous structures**		
	pre-treatment	:	using mechanical means or light sanding
	one coat of	:	**EPOZINC PZ** thickness 70/80 µ
	one or two coats of	:	**ACRIMAX AP** thickness 40/50 µ
c)	**2-product cycle on zinc plated surfaces**		
	pre-treatment	:	degreasing and sanding
	one coat of	:	**EPOZINC PZ + Q 120** thickness 20/30 µ
	one coat of	:	**ACRIMAX AP** thickness 40/50 µ
	one or two coats of	:	**ACRIMAX AP** thickness 40/50 µ

- tests carried out :

aging resistance pursuant to ASTM G 53 – 77 standard	
	duration of exposure = **500 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

Being a pure acrylic binder, in order to avoid a "shock" of color pastes, we recommend to mix color immediately after weighing, or to weight color pastes in an empty can and to add binder ACRIMAX VAP only after the homogenization.