


Description

90.900 UniMix 2K Acrylic UHS Binder is used to produce high quality acrylic topcoat with outstanding chemical and outdoor resistance and high gloss. This product is mainly used for cars, trucks and commercial vehicles, furniture, coach work, agricultural machinery, structural steel works, etc.

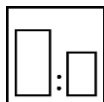
Features

- high gloss and good coverage
- can be applied with airless, air-assisted airless, conventional or HVLP methods
- compliant with VOC 420 requirements

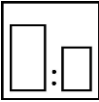
Substrate preparation

	<u>Substrate</u>	<u>Sanding</u>	<u>Degreasing</u>
	Primers/fillers/surfacers:	Read technical data sheet for primer fillers	All surfaces need to be thoroughly cleaned, dried and degreased with appropriate anti-silicone cleaner.
	Old layers:	P400 (wet) or P280 (dry)	
	Polyurethane and polyester fillers:	P400 (wet) or P280 (dry)	
	Sandblasted substrate:	P400 (wet) or P280 (dry)	
In case of sandblasting the surface, paint job must be done immediately after sand blasting.			



Mixing ratio 4:1 (VOC < 420 g/L)

	<u>Airless</u>		<u>Spray gun</u>	
Mixing ratio: (weight)	Mixed topcoat 2K Hardener 9135	1000 200 – 240	Mixed topcoat 2K Hardener 9135	1000 200 – 240 ¹
	Acrylic thinner 7050/70	0 ²	Acrylic thinner 7050/70	0 – 180 * ²
Mixing ratio: (volume)	Mixed topcoat 2K Hardener 9135	4 1	Mixed topcoat 2K Hardener 9135	4 1
	Acrylic thinner 7050/70	/	Acrylic thinner 7050/70	0 – 20 %*
* To be compliant with 420 VOC, the maximum amount of thinner is 10 %.				
¹ The weight of the added hardener depends on the color – different colours have different specific weights.				
² Add thinner to adjust the viscosity.				


Mixing ratio 2:1 (VOC > 420 g/L)

	<u>Airless</u>		<u>Spray gun</u>		
		Mixing ratio: (weight)	Mixed topcoat	1000	Mixed topcoat
2K Hardener 9123/25/27			400 – 480	2K Hardener 9123/25/27	400 – 480 ¹
Acrylic thinner 7050/70			0 ²	Acrylic thinner 7050/70	0 – 180 * ²
Mixing ratio: (volume)		Mixed topcoat	2	Mixed topcoat	2
		2K Hardener 9123/25/27	1	2K Hardener 9123/25/27	1
		Acrylic thinner 7050/70	/	Acrylic thinner 7050/70	0 – 10 %*
* To be compliant with 420 VOC, the maximum amount of thinner is 10 %. ¹ The weight of the added hardener depends on the color – different colours have different specific weights. ² Add thinner to adjust the viscosity.					

Application

	<u>Airless</u>	<u>Spray gun</u>
	Spray gun set up:	9 – 11 nozzle / 120 – 140 bar
		1,2 - 1,4 mm / 2 – 2,5 bar HVLP 2 bar
	Number of layers:	1 – 2
	Flash off (20 °C/68 °F):	10 – 15 min
	Viscosity (DIN 4 20 °C/68 °F):	20 – 25 s
		16 – 18 s

Drying

	Dust dry (20 °C/68 °F):	20 – 30 min
	Touch dry (20 °C/68 °F):	3 h
	Completely dry (20 °C/68 °F):	24 h
	Completely dry (60 °C/140 °F):	30 min
	Potlife (20 °C/68 °F):	2 h
	Dry film thickness:	50 – 60 µm

Technical information

Theoretic yield:	8 - 10 m ² /kg of ready for use product gives 55 µm thick dry film
Maximum chemical resistance:	after 7 days
Yellowing (ASTM D 4587):	DE < 4 after 1000 hours
Adhesion (ASTM D 3359):	B = 5 on surfaces treated like above reported

VOC of mixed colour

2004/42/IIB(d)(420)<420

Safety and health

For Health, Safety and Environmental instructions please refer to relevant Safety Data Sheets and labels on the cans. Storage conditions should also be considered.

Prod. Nr.	Description	Volume	Packaging Box
90.900	Binder UniMix 2K UHS Acryl	20 kg	/

Additional Information

FOR PROFESSIONAL USE ONLY!

Always read the instructions.

IMPORTANT: This product contains hazardous substances at work so it is necessary to always use/wear appropriate protective equipment. For further instructions, check the label on the product and safety data sheet. A person who uses the product for any purpose other than recommended in this technical data sheet, acts at his own risk. It is the user's responsibility to take all necessary steps to fulfil the local legislation.

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public.

Information and methods described are based on the best information and practices known to us and serve merely as guidelines for optimal use, without liability to performance, results or fitness for any intended use. We do not accept any responsibility for the behaviour of the product or damage arising from the use of the product. Before using the product, the user must check if this is the latest version.

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