# **Tehnical Data Sheet**



## 90.510 UniMix 2K Polyacryl Glossy Binder

Ver.: 2021 - 12

### Description

90.510 UniMix 2K Polyacryl Binder is used to produce polyacryl topcoats based on polyacryl 2K technology. Best used for trucks and commercial vehicles, coach works, agricoltural machinery, stroctural steelworks, plastics and concrete coatings, etc.

#### **Features**

- good leveling
- smooth and glossy surface
- good drying time
- very good end results
- can be applied with airless, air-assisted airless, conventional or HVLP methods
- high coverage power in combination with UniMix tinting system

#### **Surface preparation**



Topcoat based on UniMix 2K Polyacryl Glossy Binder should be applied on primers and polyurethane and polyester fillers.

Surface preparation depends on the primer/filler used. Read technical data sheet for primer fillers.

All surfaces need to be thouroughly cleaned, dryed and degreased with appropriate anti-silicone cleaner.

### Mixing ratio



	Airless	<u>Airless</u>		Spray gun	
Mixing ratio:	Mixed colour	1000	Mixed colour	1000	
(weight)	2K Hardner 9230/50/70	450	2K Hardner 9230/50/70	450	
	Thinner 7050	/	Thinner 7050	0 - 90	
Mixing ratio:	Mixed colour	2	Mixed colour	2	
(volume)	2K Hardner 9230/50/70	1	2K Hardner 9230/50/70	1	
	Thinner 7050	/	Thinner 7050	0 – 10 %	

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## **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 2

Number of layers: 1-2

Flash-off (20 °C/68 °F): 10 – 15 min 5 – 10 min

**Viscosity (DIN 4 20 °C/68 °F):** 20 - 25 s 16 - 20 s

Overcoating (20 °C/68 °F): The product can be overcoated with the same polyacryl

topcoat 6h after application. When the material is completelly dry (24h) the surface needs to be sandend

before over-coating.

#### **Drying**

**Dust dry (20 °C/68 °F):** 20 – 30 min

**Touch dry (20 °C/68 °F):** 4 - 6 h

**Totally dry (20 °C/68 °F):** 24 h

**Totally dry (60 °C/140 °F):** 25 min

**Potlife (20 °C/68 °F):** 90 min

**Dry film thickness:**  $40 - 60 \mu m$ 

#### **Technical information**

Theoretic yield: 10 m²/kg of ready for use product gives 50 µm thick dry film

Maximum chemical resistance: After 7 days

Film appearance: glossy; > 90 % (60°angle)

Adhesion (ASTM D 3359): B = 5 on surfaces treated like above reported

Yellowing (ASTM D 4587): DE < 4 after 500 hours

König hardness (EN ISO 1522:2006): 110 swings (100 μm wet film; after 10 days)

#### **VOC** of mixed colour

2004/42/IIB(e)(840)<580

#### **Health and safety**

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

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Article no.	Description	Volume	Packaging
90.510	UniMix 2K Polyacryl Glossy Binder	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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