

Technical Data Sheet

Product Name	
Full Product Name	146 Transparent Sealer (8:1)
Type of Product	146 transparent sealer
Description	Concept 146 Transparent Sealer is a 2K urethane surfacer, which can be used both as filler / sealer and an adhesion promoter. It adheres to a wide variety of substrates, including original OEM surfaces and fills scratches caused by light sanding. It has excellent flow properties and can be recoated with the entire range of Concept's products.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
146 Transparent Sealer (8:1)	9.6	14.0	0.907	7.57	780.1	6.51
146 Sealer Hardener (8:1)	20.3	23.4	1.004	8.38	768.9	6.42
2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36
2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

Properties
<ul style="list-style-type: none"> • Good filling properties
<ul style="list-style-type: none"> • Excellent adhesion
<ul style="list-style-type: none"> • Excellent flow properties
<ul style="list-style-type: none"> • Easy to sand

Substrates

- Original OEM surfaces
- OEM electrostatic primers
- Sound cured existing surfaces, except for unstable surfaces such as nitrocellulose or enamels

Substrate Preparation



All Substrates

All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.

Product Preparation

	Mixing Ratio 8:1 (by volume)		Concept 146 Transparent Sealer	Concept 146 Sealer Hardener
			8 parts	1 part
	Reducer	5% (v/v) of Concept 2K Thinner, if required.		
	Pot life @ 25°C (77°F)	2-3 hours		
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	13-14 s 11-12 s	

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Product Preparation cont

Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
	Gravity feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Suction feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	HVLP	1.2-1.3 mm 0.047-0.051"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
	Airless Air Assisted Electrostatic	Consult the manufacturer's instructions.		
	Number of coats	2-3	Apply one coat followed by one or two even full coats. Avoid heavy wet coats.	
	DFT Recommended	15-20 µm 0.6-0.8 mils		
	Flash off time @ 25°C (77°F)	5-10 min between coats		
	Drying	Air Dry @ 25°C (77°F)	2-3 hours	
		Low Bake @ 50°C (122°F)	30-40 min	
	Recoating	After 15-20 mins drying @ 25°C (77°F), max. 8 hours. After this time, the sealer has to be sanded.		
This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.				

Remarks

	Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components.
	Surface temperature must always be a minimum of 3°C (5°F) above dew point.

Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

Adhesion	Excellent
Hardness	Excellent
Flexibility	Excellent
Corrosion protection	Excellent
Sanding	Excellent

Product Data

Colour	Clear
Theoretical Coverage	Approx. 12 m ² /L (490 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

Product Packaging

Product Code	Product Name	Package Size
AU14690000004	146 Transparent Sealer (8:1)	4L
AU14692000.05	146 Sealer Hardener (8:1)	500ML
AU14690004.50	146 Transparent Sealer (8:1) Kit	4.5LT Kit
AU8319100000X	2K Thinner Slow	1L, 4L, 20L
AU8319200000X	2K Thinner	1L, 4L, 20L
AU8319300000X	2K Thinner Fast	1L, 4L, 20L

Safety

For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all label and Safety Data Sheet (SDS) precautions. If mixed with other components, the mixture will have hazards of all individual components.

Read and understand the Guidelines for the Safe Handling and Use of Isocyanate Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment. Use only in a well-ventilated approved spray booth, according to local regulations.

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This Technical Data Sheet supersedes all previous issues.

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