

Technical Data Sheet

Product Name	
Full Product Name	136 Epoxy Urethane Primer - White
Type of Product	2K Epoxy Urethane Primer - White
Description	<p>Concept 136 Epoxy Urethane Primer – White is a high solid, high build 2K epoxy urethane primer that combines the benefits of epoxy coatings toughness and hardness with urethane flexibility and durability. Can be used as a wet on wet process (WOW). This product can be tinted up to 5% with the Unicote 300 system, tint first then harden. Its unique formulation ensures a primer that can provide a high film build per coat, which has very good drying and sanding properties and is suitable for any topcoat. It also has excellent rust inhibiting properties, adhesion and chemical resistance over properly prepared bare metal substrates.</p>

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
136 Epoxy Urethane Primer - White	58.1	76.6	1.569	13.09	367.7	3.07
136 EU Hardener Slow	31.5	38.9	0.938	7.83	572.7	4.78
136 EU Hardener	31.5	38.9	0.938	7.83	572.7	4.78
831 2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
831 2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36
831 2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

Properties
<ul style="list-style-type: none"> High solid content giving high film build
<ul style="list-style-type: none"> Excellent Drying and Sanding properties
<ul style="list-style-type: none"> Excellent flexibility, hardness and durability
<ul style="list-style-type: none"> Excellent corrosion protection and chemical resistance over properly prepared bare metal substrates.
<ul style="list-style-type: none"> Suitable for use under all CONCEPT Paints Topcoats.

Substrates

- Mild Steel
- Galvanised Steel, Zinalume, Zincoanneal
- Aluminium
- Polyester spray filler
- Glass reinforced polyester (GRP & general types of fibreglass body parts)
- Sound, cured and properly prepared existing surfaces

Substrate Preparation



All Substrates

All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application. Lightly rusted surfaces must be treated with Concept 025 Rust Converter.

Note:











Ensure the complete removal of any residue of Rust Converter before applying this primer.

Product Preparation

	Mixing Ratio 4:1 (by volume)	Concept 136 Epoxy Urethane Primer - White		Concept 136 EU Hardener
		4 parts		1 part
	Reducer	10-20% (v/v) of Concept 831 2K Thinner, for overnight drying.		
	Wet on wet-	20-25% (v/v) of Concept 831 2K Thinner for WOW applications		
	Pot life @ 25°C (77°F)	2-3 hours		
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	25-27 s	22-23 s



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Product Preparation cont

 Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
	Gravity feed	2.0 mm 0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Suction feed	2.0 mm 0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	HVLP	1.5-1.8 mm 0.059-0.071"	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 (up to 4) coats	Apply one coat followed by two even full coats. Allow Flash off in between coats. Avoid heavy wet coats.	
	DFT Recommended	50-80 µm (up to 100 µm) 2.0-3.2 mils (up to 4.0 mils)		
	Flash off time @ 25°C (77°F)	5 min between coats		
	Air Dry @ 25°C (77°F)	3-4 hours 50-80 µm (2.0-3.2 mils) 16-24 hours 100 µm (4 mils) Maximum drying time before recoating is 48 hours. You would need to sand before recoating.		
	Wet on Wet @ 25°C (77°F)	30 min @ 25°C (77°F) before top coating		
	Low Bake @ 50°C (122°F)	30-40 min		
	Sanding	Wet sand with P600-P800 before applying finish coat		

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.

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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, <u>when compared to similar technology products.</u>	
Hardness	Excellent
Flexibility	Excellent
Corrosion protection	Excellent
Sanding	Excellent

Product Data	
Colour	White
Theoretical Coverage	Approx. 5 m ² /L (205 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

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Product Packaging

Product Code	Product Name	Package Size
IN1366000000X	136 Epoxy Urethane Primer – White	1L, 4L, 5L(Kit), 16L, 20L(Kit)
AU1366000000X	2K Epoxy Urethane Primer - White	1L, 4L
IN1369200000X	136 EU Hardener	250mL, 1L
IN13691000001	136 EU Hardener Slow	1L
IN83191000020	831 2K Thinner Slow	20L
IN83192000020	831 2K Thinner	20L
IN83193000020	831 2K Thinner Fast	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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