

# Technical Data Sheet

<b>Product Name</b>	
Full Product Name	<b>141 Epoxy Primer</b>
Type of Product	2K Chromate Free Epoxy-Polyamide Primer
Description	Concept 141 Epoxy Primer is a 2K, chromate free epoxy-polyamide primer surfacer characterised by excellent adhesion to any metal substrate. Its unique formulation ensures a primer, which is very easy to sand and is suitable for use under any topcoat. It has very good anti-corrosive properties, with outstanding flexibility, chemical and water resistance.

<b>Products</b>						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
141 Epoxy Primer - Grey	49.1	70.1	1.518	12.67	454.4	3.79
141 Epoxy Primer - White	49.7	71.0	1.551	12.94	449.0	3.75
141 Epoxy Primer - Black	49.3	66.8	1.377	11.49	456.9	3.81
141 EP Primer Hardener normal	31.5	38.9	0.938	7.83	572.7	4.78
141 EP Primer Hardener Fast	28.7	31.1	0.901	7.52	620.6	5.18
831 2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
831 2K Thinner Normal	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

<b>Properties</b>
<ul style="list-style-type: none"> <li>• Excellent good anti-corrosive properties</li> </ul>
<ul style="list-style-type: none"> <li>• Outstanding flexibility</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent adhesion and durability</li> </ul>
<ul style="list-style-type: none"> <li>• Easy to sand</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent chemical and water resistance</li> </ul>
<ul style="list-style-type: none"> <li>• Suitable for use under all CONCEPT Paints Topcoats.</li> </ul>

## Substrates

- Mild Steel and Steel Alloy surfaces
- Stainless steel grade 316
- Aluminium, Zinalume, Zincanreal
- Galvanised steel
- 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 Light Rust & Metal Converter.

**NOTE: Ensure complete and thorough removal of residual rust converter before applying this product.**



## Product Preparation

	<b>Mixing Ratio</b> 4:1 (by volume)		<b>Concept 141 Epoxy Primer</b>	<b>Concept 141 EP Primer Hardener</b>
			4 parts	1 part
	<b>Reducer</b>	10-20% (v/v) of Concept 831 2K Thinner, if required.		
	<b>Pot life</b> @ 25°C (77°F)	6 hours		
	<b>Spray viscosity</b> @ 25°C (77°F)	<b>BSB 4 Cup</b> <b>Ford 4 Cup</b>	17-19 s 15-17 s	

## Product Preparation cont

<b>Spray equipment</b>	<b>Gun type</b>	<b>Fluid tip</b>	<b>Spray pressure</b>	<b>Spray Distance</b>
	<b>Gravity feed</b>	2.0 mm 0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	<b>Suction feed</b>	2.0 mm 0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	<b>HVLP</b>	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
	<b>Airless Air Assisted Electrostatic</b>	Consult the manufacturer's instructions.		
	<b>Number of coats</b>	2-3 coats	Apply one coat followed by two even full coats. Avoid heavy wet coats.	
	<b>DFT Recommended</b>	40-50 µm 1.6-2.0 mils		
	<b>Flash off time @ 25°C (77°F)</b>	5 min between coats		
	<b>Air Dry @ 25°C (77°F)</b>	3-4 hours		
	<b>Low Bake @ 50°C (122°F)</b>	30-40 min		
	<b>Sanding</b>	Wet sand with P600-P800 or Dry sand with P500-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.				

# Technical Data Sheet

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.
<b>NOTE:</b>	Ensure the complete removal of any residue of Rust Converter before applying this primer.

Equipment Cleaning	
Use recommended Concept Paints cleaner	

Dry Film Properties	
After 7 days drying, <b>when compared to similar technology products.</b>	
Hardness	Excellent
Flexibility	Excellent
Chemical and water resistance	Excellent
Corrosion protection	Excellent
Durability	Excellent

Product Data	
Colour	White, Grey, Black
Theoretical Coverage	Approx. 8 m <sup>2</sup> /L (325 ft <sup>2</sup> /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

## Product Packaging

Product Code 1	Product Code 2	Product Name	Package Size
A03C/141G	1376200	141 Epoxy Primer - Grey	1L, 4L, 5L(Kit)
A03C/141W	1376000	141 Epoxy Primer - White	1L, 4L, 5L(Kit)
A03C/141B	1377000	141 Epoxy Primer - Black	1L, 4L, 5L(Kit)
A04C/141N	2729200	141 EP Primer Hardener	250mL, 1L
A04C/141F	2729300	141 EP Primer Hardener Fast	250mL, 1L
A08C/8312KS	8319100	831 2K Thinner Slow	1L, 4L, 20L
A08C/8312KN	8319200	831 2K Thinner	1L, 4L, 20L
A08C/8312KF	8319300	831 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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