

Date: 21<sup>st</sup> July 2021

# Technical Data Sheet

Version:02

Product Name	
Full Product Name	<b>111 Universal Primer (HB)</b>
Type of Product	1K High Build PVB Primer
Description	Concept 111 Universal Primer (HB) is a 1K high build “PVB” (etch) primer designed for use on bare metal as well as previously painted surfaces in a sound condition. This product can be sprayed wet on wet.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
111 Universal Primer (HB) - Yellow	29.6	51.9	1.188	9.91	569.7	4.75
111 Universal Primer (HB) - Grey	29.5	49.8	1.142	9.53	572.5	4.78
111 Universal Primer (HB) - White	28.9	49.6	1.146	9.56	576.1	4.81
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
Acrylic Thinner	0.0	0.0	0.840	7.01	8.398	7.01

Properties
<ul style="list-style-type: none"> <li>• High filling and fast dry</li> <li>• Excellent adhesion to ferrous and non ferrous substrates</li> <li>• Easy to sand with reduced clogging</li> </ul>

## Substrates

- Mild steel surfaces
- Aluminium
- Galvanised steel, Zinalume, Zincanneal
- Glass reinforced polyester (GRP & general types of fibreglass body parts)
- Sound existing enamel and acrylic lacquer 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



### Reducer

Up to 50% (v/v) of 831 2K Thinner Normal or Concept Acrylic Thinner.  
For high build application, use Concept 831 2K Thinner Slow.



### Pot life @ 25°C (77°F)

N/A









### Spray viscosity @ 25°C (77°F)

**BSB 4 Cup**  
**Ford 4 Cup**



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# Technical Data Sheet

## Product Preparation cont

 <b>Spray equipment</b>	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
 <b>Number of coats</b>	2-3	Apply one coat followed by two even full coats. Avoid heavy wet coats.		
 <b>DFT Recommended</b>	50-80 µm 2.0-3.2 mils			
 <b>Flash off time @ 25°C (77°F)</b>	10 min between coats			
 <b>Drying</b>	<b>Air Dry @ 25°C (77°F)</b>	1-2 hours 5-10 min for wet-on-wet		
 <b>Sanding</b>	Wet sand with P600-P800 before applying finish coat or Dry sand with P400-P500 using an orbital sander			
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

# Technical Data Sheet

Dry Film Properties	After 7 days drying, <b><u>when compared to similar technology products.</u></b>
Adhesion	Excellent
Corrosion protection	Excellent
Sanding	Excellent

Product Data	
Colour	Grey, Yellow, White
Theoretical Coverage	Approx. 3.0 m <sup>2</sup> /L (120 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	Product Name	Package Size
IN1111100000X	111 Universal Primer (HB) - Yellow	1L, 4L, 20L
IN1116200000X	111 Universal Primer (HB) - Grey	1L, 4L, 20L
IN11160000020	111 Universal Primer (HB) - White	20L
IN83191000020	831 2K Thinner Slow	20L
IN83192000020	831 2K Thinner Normal	20L
IN83193000020	831 2K Thinner Fast	20L
AU8029200000X	Acrylic Thinner	1L, 4L, 20L

Safety
<p>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.</p> <p>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.</p>

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This Technical Data Sheet supersedes all previous issues.

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