

Technical Data Sheet

Product Name	
Full Product Name	116 ZP Primer (HB)
Type of Product	1K Zinc Phosphate Enamel Primer (HB)
Description	<p>Concept 116 ZP Primer (HB) is a 1K zinc phosphate enamel high build primer designed for industrial use <u>only</u>. It is characterised by its excellent adhesion to mild steel and is suitable as a primer for Concept's Enamel Product range of topcoats.</p> <p>Specifications: AS/NZS 3750.19 Primer for steel structures</p>

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
116 ZP Primer (HB) – N64 Grey	50.0	69.2	1.212	10.23	480.7	4.00
116 ZP Primer (HB) – 6042 Grey	49.3	67.6	1.192	9.98	498.2	4.10
804 Enamel Thinner	0.0	0.0	0.802	6.69	802.0	6.69

Properties
<ul style="list-style-type: none"> • High filling
<ul style="list-style-type: none"> • Excellent adhesion
<ul style="list-style-type: none"> • Easy to sand with reduced paper clogging

Substrates
<ul style="list-style-type: none"> • Mild steel surfaces
<ul style="list-style-type: none"> • 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.

Product Preparation



Reducer

Up to 30% (v/v) of Concept 804 Enamel Thinner, if required.



Pot life @ 25°C (77°F)

N/A



Spray viscosity @ 25°C (77°F)

BSB 4 Cup
Ford 4 Cup

19-21 s
18-19 s



Spray equipment

Gun type

Fluid tip

Spray pressure

Spray Distance



Gravity feed

1.8-2.0 mm
0.071-0.079"

200-240 kPa
2.0-2.4 bar
30-35 psi

15-20 cm
6-8 inch



Suction feed

1.8-2.0 mm
0.071-0.079"

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



Number of coats

2-3

Apply one coat followed by one or two even full coats. Avoid heavy wet coats.



DFT Recommended

40-50 µm
1.6-2.0 mils



Flash off time @ 25°C (77°F)

3-5 min between coats



Drying

Air Dry
@ 25°C (77°F)

3-4 hours



Sanding

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.

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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
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Dry Film Properties

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

Adhesion	Excellent
Corrosion protection	Excellent
Sanding	Excellent

Product Packaging

Product Code	Product Name	Package Size
IN11660410020	116 ZP Primer (HB) N64 - Grey	20L
IN11660420020	116 ZP Primer (HB) 6042 - Grey	20L
IN8049200000X	804 Enamel Thinner	1L, 4L, 20L

Product Data

Colour	Grey
Theoretical Coverage	Approx. 6 m ² /L (205 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

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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