



# TECHNICAL DATA SHEET

## EP41 EPOXY PRIMER

### PRODUCT DESCRIPTION

Concept's EP41 Epoxy Primer is a two pack chromate free epoxy-polyamide primer that has excellent adhesion to any metal substrate. Its unique formulation ensures a primer, which is very easy to sand and is suitable for any topcoat. It has very good anti-corrosive properties, with outstanding flexibility, chemical and water resistance.

### PRODUCT AND ADDITIVES

- Concept EP41 Epoxy Primer
- Concept EP41 Primer Hardener
- Concept 2K Thinner Range


### SUITABLE SUBSTRATES

- Sound existing finishes.
- Steel, Aluminium, Galvanised and Fibreglass surfaces.
- Stainless Steel Grade 316

### MIXING RATIO





- 4 parts Concept EP41 Epoxy Primer by volume.
- 1 part Concept EP41 Primer Hardener by volume
- If needed a 10 - 20% reduction can be made with Concept 2K Thinner.

### SPRAY GUN AND PRESSURE

SPRAY GUN & PRESSURE:	<ul style="list-style-type: none"><li>• 2.0mm tip with a suction feed gun</li><li>• Pressure is 350 – 450 kPa. (The same condition applies for gravity feed)</li></ul>	
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## APPLICATION

- Stir thoroughly before use.
- 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 Conditioner.
- Two to three, even coats are needed to obtain a 40 - 50 Micron Dry Film Thickness.

SPRAYING VISCOSITY:	<ul style="list-style-type: none"> <li>• 17 - 19 seconds B4 cup at 25°C.</li> </ul>	 <p style="text-align: center;">17-19 SECONDS</p>
FLASH-OFF TIME:	<ul style="list-style-type: none"> <li>• 5 minutes between coats at 25°C.</li> </ul>	
DRYING:	<ul style="list-style-type: none"> <li>• 3 - 4 hours at 25°C for a Dry Film Thickness of 40 – 50 Micron.</li> <li>• Low Bake for 30 - 40 minutes at 50°C.</li> </ul>	
SANDING:	<ul style="list-style-type: none"> <li>• Wet sand thoroughly with either P600 - P800 before applying finish coat.</li> </ul>	

## TECHNICAL INFORMATION

<b>COLOUR:</b>	Grey, White and Black
<b>COVERAGE:</b>	8 m <sup>2</sup> /L @ 50 Micron Dry Film Thickness.
<b>POT LIFE:</b>	6 hours at 25°C.
<b>VOC:</b>	Grey: 454 g/L, White: 449 g/L, Black: 454 g/L, Hardener: 520 g/L
<b>PACKAGING:</b>	1LT, 4LT, 5LT Kit (Grey Only) (Hardener: 250ML, 1LT)
<b>ITEM CODE:</b>	A03C/EP41 (Hardener: A04C/EP41)
<b>SHELF LIFE:</b>	12 Months

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The above information is reliable and accurate to the best of our knowledge at the time of preparation. Any recommendations or suggestions made are without warranty or guarantee. Users assume all responsibility since the conditions of use are beyond our control.

**REVISED: 16 April 2013**

**REPLACES ISSUE: 08 September 2009**