

## TECHNICAL DATASHEET

Issue date:  
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# SELEMIX® 1K WB POLYURETHANE GREY PRIMER

**5-8851      2.708.8851**

### PRODUCT DESCRIPTION

*Selemix* 2.708.8851 1K WB primer is a one component waterborne light grey primer based on polyurethane modified alkyd resin, suitable for applications to a wide range of different substrates including steel, galvanized steel and aluminium.

It is non-toxic product, has good water resistance, dries quickly and gives good corrosion protection and durability. It is suitable for industrial or agricultural equipment and machinery.

It can be overcoated with 1K and 2K *Selemix* Solventborne Topcoats, such as 7-610, 7-512 or 7-510, or with any *Selemix* Waterborne Topcoats.

### PRODUCTS

5-8851      *Selemix* 1K WB Polyurethane Primer

**Thinner:**

Water      Tap Water

### SUBSTRATES AND PREPARATION



Steel	Machine sand with P80-120 discs and degrease
Galvanised steel	Abrade with Scotchbrite® and degrease
Aluminium	Machine sand with P240-320 discs and degrease
Painted Surfaces	Machine sand with P240-320 discs and degrease
Apply only on a clean and dry surface with a temperature above the dew point to avoid condensation. In confined spaces, provide adequate ventilation during application and drying.	



## MIXING

Thoroughly mix paint before activating and check colour before use.

	Features	Conventional	Air-Assisted Airless
	<b>By Weight:</b> 5-8851 Primer Water	1000 0 - 100	1000 0 - 50
	<b>By Volume:</b> 5-8851 Primer Water	10 0 - 1 (0 - 10%)	10 0 - 0.5 (0 - 5%)
	Viscosity (at 20°C): Pot Life (at 20°C):	40-50 secs DIN4 Unlimited	60 - 80 secs DIN4 Unlimited

## APPLICATION

	Features	Conventional	Air-Assisted Airless
	Spraygun setup:	Nozzle: Gravity: 1.6- 1.8 mm Suction: 1.8 - 2.0 mm Pressure feed: 1.2 - 1.4mm	Nozzle: 09 - 13 thou 0.23 – 0.33 mm
	Air Pressure:	HVLP: 2 Bar Standard: 2.5-3 Bar	3 - 4 Bar
	Fluid Pressure:	N/A	90 - 100 Bar
	Number of coats:	2 medium	1 Light Dry + 1 Full
	Flash-off between coats:	until matt	5 minutes
	Drying:	Air dry 1 - 3 hours depending on film thickness and RH% of ambient	Air dry 1 - 3 hours depending on film thickness and RH% of ambient
	Wet Film Thickness:	125-150 microns (2 coats)	125-150 microns (2 coats)
	Dry Film Thickness:	50-60 microns (2 coats)	50-60 microns (2 coats)

## DRYING TIMES



at 20°C

Dust Free	10 - 15 mins
Touch Free	40 mins
Handleable	1 hour
Hard Dry	24 hours
Stoving:	Not recommended
Overcoating time:	Minimum: 1-3 hours (according to film thickness) Maximum: 72 hours with 1K or 2K Selemix 7-610, 7-512 or 7-510 topcoats or with any Selemix Waterborne Topcoat
Note:	Lower temperature or film thickness higher than 60µm will extend drying times. The drying times quoted are approximate times and will vary depending on drying conditions and film thickness. Poor ventilation, temperature below 20°C, humidity above 85% RH and excessive film thickness will extend the drying times.

## TECHNICAL DATA

Based on ready-for-use unthinned paint:	
VOC (g/L):	3 g/L
Solid content (weight):	45-50 %
Solid content (volume):	34-38 %
Theoretical coverage:	6.8-7.6 m <sup>2</sup> per litre at 50 microns DFT
Specific gravity (Ready for use)	1.21-1.24 Kg/L
Gloss:	Matt Finish
Storage:	STORE FREE FROM FROST ABOVE 4°C. Prolonged exposure to high temperatures or direct sources of heat should be avoided

## PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize
2.708.8851/E20K	5-8851	1K WB Polyurethane Primer	20 Kg

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## HEALTH AND SAFETY

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For comprehensive Health, Safety and Environmental advice, please refer to the relevant Material Safety Data Sheets and Product can labels.

## THIS PRODUCT IS FOR PROFESSIONAL USE ONLY

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The information given in this sheet is for guidance only. Any person using the product without first making further enquiries as to the stability of the product for the intended purpose does so at his own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of our experience and our policy of continuous product development. Drying times quoted are average times at 20°C. Film thickness, humidity and shop temperature can all affect drying times.

### FOR FURTHER INFORMATION PLEASE CONTACT:

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