

# 8-110 / 8-111

## 2K SINGLE STAGE TOPCOAT

### PRODUCT DESCRIPTION

Selemix Aqua Single Stage Topcoat is a waterborne two component polyurethane coating, suitable for direct application to properly prepared steel, galvanized steel, phosphated steel or aluminium surfaces. It is suitable for interior and exterior use on surfaces exposed to weathering, mechanical and chemical stress.

It can provide finishes from high gloss to matt finish, with good colour retention and excellent hardness.

It is especially recommended for high quality finishes in industrial / agricultural equipment and machinery.

### SELECTION AND PREPARATION OF SUBSTRATES



**Substrate**

Bare Steel  
Phosphated Steel  
Galvanised Steel  
Light Alloys  
Aluminium

**Sand**

P80 – 120 (dry)  
Scotchbrite  
Scotchbrite  
P280 – 320 (dry)  
P280 – 320 (dry)

**Degrease**

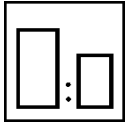
All surfaces should be thoroughly degreased using the appropriate cleaner both before and after preparation.

**VERY IMPORTANT:** Degrease **thoroughly** prior to painting.

All substrates should be free from contamination such as oil, grease and rust.

### APPLICATION GUIDE

		<b>All colours</b>	
<b>High Gloss</b>	<b>Tinting Ratio (By weight):</b>	Binder 8-110:	60
		WB Tinters:	40
<b>Semi- Gloss (70%)</b>	<b>Tinting Ratio (By weight):</b>	Binder 8-111:	36
		Binder 8-110:	24
		WB Tinters:	40
<b>Matt (15- 20%)</b>	<b>Tinting Ratio (By weight):</b>	Binder 8-111:	60
		WB Tinters:	40



**Mixing ratio (by weight):**

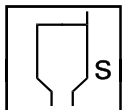
Topcoat 8-11X            1000  
Hardener 9-110            400  
Mix thoroughly and then add:-  
15 – 20% Water – Conventional application  
5 – 15% Water – Air-assisted airless application

**Mixing ratio (by volume):**

Topcoat 8-11X            2,5  
Hardener 9-110            1  
Mix thoroughly and then add:-  
15 – 20% Water – Conventional application  
5 – 15% Water – Air-assisted airless application

**Pot life 20°C:**

3 hours



**Spray viscosity:**

**Conventional 1 Visit Application**

65-70 sec DIN 4 at 20°C

**Spray gun set up:**

1.6 – 1.8 mm



**Spray pressure:**

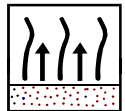
2 – 3 bar

**Number of coats:**

1 light coat, 2 minute flash off, 1 normal coat

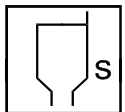
**Flash off between coats:**

2 minutes at 20°C



**Flash off before stoving:**

45 minutes at 20°C



**Spray viscosity:**

**Conventional 2 Coat Application**

55-60 sec DIN 4 at 20°C

**Spray gun set up:**

1.6 – 1.8 mm



**Spray pressure:**

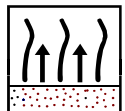
2 – 3 bar

**Number of coats:**

1 light coat, 15 - 30 minutes flash off, 1 normal coat

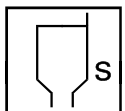
**Flash off between coats:**

15 - 30 minutes at 20°C, until surface dry



**Flash off before stoving:**

45 minutes at 20°C



**Spray viscosity:**

**Air-Assisted Airless Application**

100-120 sec DIN 4 at 20°C, or 30 – 34 sec DIN 6 at 20°C

**Spray gun set up:**

9 - 11 thou



**Fluid pressure:**

70 – 150 bar

**Spraygun Pressure**

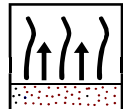
2 – 2.5 bar

**Number of coats:**

1 very light coat, 2 minutes flash off, 1 normal coat

**Flash off between coats:**

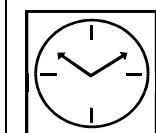
15 - 30 minutes at 20°C



**Flash off before stoving:**

45 minutes at 20°C

## APPLICATION GUIDE



**Drying times at 60°C (metalT°):**

45 - 60 minutes (regarding film thickness)

**Drying times at 80°C (metalT°):**

20-25 minutes

**Drying times at 20°C**



**Dust free:**

20 minutes

**Touch free:**

5 - 6 hours

**Handling:**

8 - 9 hours

**Recommended thickness:**

140 microns max. – wet film thickness  
60 – 80 microns – dry film thickness

**Recoat time:**

min. 8 hours and max. 24 hours at 20°C  
without flatting

The drying times quoted are approximate times and will vary depending on drying conditions and film thickness. Poor ventilation, temperatures below 20°C, above 85% RH and excessive film thickness will extend the drying times.

## TECHNICAL DATA RFU

**Theoretical coverage:** 5.2 – 6.4 m<sup>2</sup>/L of paint ready to use for 70µm of thickness

**Solid content (by volume):** 39 - 50%

**Solid content (by weight):** 43 - 59%

**% Solvent:** 9 – 10%

**Density:** 1040 - 1190 g/L

**Storage:**

STORE FREE FROM FROST ABOVE 5°C

Prolonged exposure to high temperatures or direct sources of heat should be avoided

## HEALTH AND SAFETY

**These products are for professional painting only**, and are not to be used for purposes other than those specified. The information on this TDS is based on present scientific and technical knowledge, and it is the responsibility of the user to take all necessary steps in order to ensure the suitability of the product for the intended purpose.

For Health and Safety information please refer to the material Safety Data Sheet, also available at: <http://corporateportal.ppg.com/Refinish/Selemix>

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