

TECHNICAL DATASHEET

Issue date:
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SELEMIX® 2K WB ACRYLIC TOPCOAT

8-110 High Gloss

8-111 Matt

PRODUCT DESCRIPTION

This TDS refers to 8-110 and 8-111 used as Topcoat (and not as a direct to metal finish).
 To use 8-110 and 8-111 as a Direct to Metal Finish, refer to TDS No. 614)

Selemix 8-110 (Gloss) and 8-111 (Matt) are 2K waterborne, acrylic topcoats, suitable for use on primed or painted surfaces exposed to weathering, mechanical and chemical stress, for both interior and exterior use.

It provides from high gloss to matt finish, with excellent gloss and colour retention and excellent hardness, and can be used over *Selemix* 2-pack solvenborne, or waterborne primers.

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

PRODUCTS

8-110	<i>Selemix</i> 2K WB Acrylic Single Stage High Gloss Topcoat
8-111	<i>Selemix</i> 2K WB Acrylic Single Stage Matt Topcoat
WBxx	<i>Selemix</i> Waterborne Tinters

Hardeners

9-110	Hardener for Acrylic Single Stage
9-125	Fast Curing Hardener for Acrylic

Thinner:

Water Drinkable quality water or deionized water should be used

SUBSTRATES AND PREPARATION



Any *Selemix* Solventborne or Waterborne 2K Primer

Wet on Wet or 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 – STANDARD

Thoroughly mix paint before activating and check colour before use.

	Features	Conventional	Air-Assisted Airless
	By Weight: 8-11x Topcoat 9-110 Hardener	1000 300 Thoroughly mix topcoat during 5 minutes and then add:	1000 300 Thoroughly mix topcoat during 5 minutes and then add:
	Water	180 - 250	180 - 250
	By Volume: 8-11x Topcoat 9-110 Hardener	3 1 Thoroughly mix topcoat during 5 minutes and then add:	3 1 Thoroughly mix topcoat during 5 minutes and then add:
	Water	0.5-0.75 (18-25%)	0.5-0.75 (18-25%)
	Viscosity (at 20°C):	20-25 secs DIN4	20-25 secs DIN4
	Pot Life (at 20°C):	3 hours	3 hours

APPLICATION – STANDARD

	Features	Conventional	Air-Assisted Airless
	Spraygun setup:	Nozzle: Gravity: 1.4 - 1.6 mm Suction: 1.6 - 1.8 mm Pressure feed: 0.8 - 1.0 mm	Nozzle: 9 thou 0.23 mm
	Air Pressure:	HVLP: 2 Bar Standard: 2-3 Bar	2.5 – 3.5 Bar
	Fluid Pressure:	N/A	90 - 110 Bar
	Number of coats:	1 Light closed + 1 medium	1 Light Dry + 1 Full
	Flash-off between coats:	15-20 mins minimum at 20°C	2 mins minimum at 20°C
	Drying:	60°C for 45 mins Or 80°C for 20-25 mins	60°C for 45 mins Or 80°C for 20-25 mins
	Flash-off before bake:	45 mins minimum at 20°C	45 mins minimum at 20°C
	Wet Film Thickness:	100-125 microns	100-125 microns
	Dry Film Thickness:	40-50 microns	40-50 microns

MIXING – FAST CURING

Thoroughly mix paint before activating and check colour before use.

	Features	Conventional 1 Visit	Conventional 2 Coats
	By Weight: 8-11x Topcoat 9-125 Hardener	1000 300 Thoroughly mix topcoat during 5 minutes and then add:	1000 300 Thoroughly mix topcoat during 5 minutes and then add:
	Water	180 - 250	180 - 250
	By Volume: 8-11x Topcoat 9-125 Hardener	3 1 Thoroughly mix topcoat during 5 minutes and then add:	3 1 Thoroughly mix topcoat during 5 minutes and then add:
	Water	0.5-0.75 (18-25%)	0.5-0.75 (18-25%)
	Viscosity (at 20°C):	20-25 secs DIN4	20-25 secs DIN4
	Pot Life (at 20°C):	2 hours	2 hours

APPLICATION – FAST CURING

	Features	Conventional 1 Visit	Conventional 2 coats
	Spraygun setup:	Nozzle: Gravity: 1.4 - 1.6 mm Suction: 1.6 - 1.8 mm Pressure feed: 0.8 - 1.0 mm	Nozzle: Gravity: 1.4 - 1.6 mm Suction: 1.6 - 1.8 mm Pressure feed: 0.8 - 1.0 mm
	Air Pressure:	HVLP: 2 Bar Standard: 2-3 Bar	HVLP: 2 Bar Standard: 2-3 Bar
	Fluid Pressure:	N/A	N/A
	Number of coats:	1 Light dry + 1 full	1 light closed + 1 medium
	Flash-off between coats:	2 mins minimum at 20°C	15-20 mins minimum at 20°C
	Drying:	Air dry or bake at 60°C for 30 mins	Air dry or bake at 60°C for 30 mins
	Flash-off before bake:	20 mins minimum at 20°C	20 mins minimum at 20°C
	Wet Film Thickness:	100-125 microns	100-125 microns
	Dry Film Thickness:	40-50 microns	40-50 microns

OTHER APPLICATION MODE



Features

Brush and Roller

8-11x Acrylic Topcoat can be applied by brush (solvent resistant) or roller short haired mohair roller.

Activate 3:1 with 9-110 / 9-125 Hardener. Thinning with 10% of water is recommended.

Apply in 2 coats with minimum 45 minutes flash-off between coats.

DRYING TIMES



Features

STANDARD

FAST CURING

Dust Free
Touch Free
Handleable
Hard Dry

20 - 25 mins
5 - 6 hours
8 - 9 hours
24-36 hours

10 - 15 mins
2 - 3 hours
6 hours
Overnight

Stoving:

45-60 minutes @60°C
(according to film thickness)

30 minutes @60°C
(according to film thickness)

Overcoating time:

Minimum: 8 hours
Maximum: 24 hours without
sanding on clean surface
with itself

Minimum: 8 hours
Maximum: 24 hours without
sanding on clean surface
with itself

Note:

Lower temperature or film thickness higher than 50µm 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 mixed paint including water:	
VOC (g/L):	140-198 g/L
Solid content (weight):	40-59 %
Solid content (volume):	36-50 %
Theoretical coverage:	7 - 10 m ² per litre at 50 microns DFT
Specific gravity (Ready for use)	1.04-1.19 Kg/L
Gloss:	High Gloss to 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	
1.781.1000/E12K	8-110	Acrylic Single Stage High Gloss Topcoat	12	Kg
1.781.1100/E12K	8-111	Acrylic Single Stage Matt Topcoat	12	Kg
1.781.1100/E120K	8-111	Acrylic Single Stage Matt Topcoat	120	Kg
1.959.8110/E5	9-110	Hardener for Acrylic	5	Lt
1.959.8125/E5	9-125	Fast Curing Hardener for Acrylic	5	Lt
1.959.8125/E200	9-125	Fast Curing Hardener for Acrylic	200	Lt

HEALTH AND SAFETY

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

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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