

# SELEMIX® MATTING DATA - Solventborne

## BINDER MATTING RATIOS – 7-512 + 7-511 Polyurethane Topcoats

Product	Matt	Semi-Matt	Semi-Gloss	Gloss
Matt PU Binder 7-511	800	600	500	-
Gloss PU Binder 7-512	-	100	200	700
Selemix NPXX Tinting Bases	200	300	300	300
<b>Gloss Level (60°)</b>				
<b>Air Dried</b>	<b>5-10%</b>	<b>15-20%</b>	<b>50-55%</b>	<b>&gt;90%</b>
<b>Oven Dried</b>	<b>15-20%</b>	<b>25-30%</b>	<b>55-60%</b>	<b>&gt;90%</b>
<b>Refer to TDS no:</b>	<b>536</b>	<b>573</b>	<b>575</b>	<b>537</b>

**Note:**

All Gloss / Matt levels are measured at 60 degrees and are for dry film thicknesses of 50-60 microns

Gloss levels are approximate, and can vary depending on colour, application and drying conditions.

## TECHNICAL DATASHEET

Issue date:  
November 2020

# SELEMIX® 2K POLYURETHANE SEMI-GLOSS TOPCOAT 7-512/-511 and 2.775.1150

## PRODUCT DESCRIPTION

Selemix 7-512/-511 or 2.775.1150 2K Polyurethane Topcoat is a high quality semi-gloss 2-pack Polyurethane finish for solid colours and single-layer metallic finishes. It dries quickly to give a semi-gloss finish and very good durability. Application can be by conventional or air-assisted airless spray.

It is compatible with Selemix Epoxy and Polyurethane primers, giving a highly durable and hard wearing paint system. It is suitable for the coating of machinery, agricultural and construction equipment, and many other industrial painting applications where a durable, semi-gloss finish is required.

## PRODUCTS

7-512/-511	Selemix Polyurethane Semi-Gloss Topcoat (Blended from 7-511 and 7-512)
2.775.1150	Selemix Polyurethane Semi-Gloss Topcoat (Readymixed)
NPxx	Selemix NP Tinters

### Hardeners:

9-060	Extra PU Hardener
-------	-------------------

### Thinners:

1-420	Polyurethane Thinner
1-208	Slow Thinner
1-470	Slow Direct Thinner

## SUBSTRATES AND PREPARATION



Painted Surfaces  
Polyurethane or  
Polyester Fillers

Machine sand with P320-400 discs and degrease






Selemix Epoxy Primers  
or PU Primers

Refer to Primer TDS for recoat time



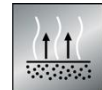
Apply only on a clean and dry surface with a temperature above the dew point to avoid condensation. In confined spaces, provide adequate ventilation during application and drying.

## MIXING

Thoroughly mix paint before activating and check colour before use

	Features Standard System	Conventional	Air-Assisted Airless
	<b>By Weight:</b> 7-512/511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	1000 200 200-300	1000 200 200-300
	<b>By Volume:</b> 7-512/511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	4.5 1 0.9-1.4 (20-30%)	4.5 1 0.9-1.4 (20-30%)
	Viscosity (at 20°C): Pot Life (at 20°C):	18-20 secs DIN4 1.5 hours	18-20 secs DIN4 1.5 hours

## APPLICATION

	Features	Conventional	Air-Assisted Airless
	Spraygun setup:   Air Pressure: Fluid Pressure:	Nozzle: Gravity: 1.3-1.4mm Suction: 1.6-1.8mm Pressure feed: 0.85-1.2mm  HVLP: 2 Bar Standard: 2-3 Bar N/A	Nozzle: 9-11 thou 0.23-0.28mm  2.5 Bar 80-100 Bar
	Number of coats: Flash-off between coats:	2 10-15 mins	2 10-15 mins
	Drying:  Flash-off before bake: Wet Film Thickness: Dry Film Thickness:	Air dry or bake at 60°C for 30-40 mins  10 mins 120 microns 50 microns	Air dry or bake at 60°C for 30-40 mins  10 mins 120 microns 50 microns

## DRYING TIMES



at 20°C

Dust Free:  
Touch Free:  
Tape Free:  
Handleable:  
Hard Dry:  
Overcoating time:

10-15 mins  
1-1.5 hours  
16 hours  
4-5 hours  
10-12 hours or after bake

Minimum: 14 hours  
Maximum: 24 hours by itself without sanding

Lower temperature or film thickness higher than 50µm  
will extend drying times

## TECHNICAL DATA

Based on ready-for-use mixed paint  
including thinner:

VOC (g/L):  
Solid content (weight):  
Solid content (volume):  
Solvent content (weight):  
Specific gravity (Ready for use)

641-687 g/L (depending on colour and dilution)  
43-47 %  
41-45 %  
53-57 %  
1.21-1.22 Kg/L

Theoretical coverage:  
Gloss:

8.1-8.9 m²/L at 50 microns DFT  
Semi-Gloss

## PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
2.775.1150/E3.75K	7-512/-511	Polyurethane Semi-Gloss Topcoat	3.75	Kg
1.775.1100/E3.75K	7-511	Polyurethane Matt Topcoat	3.75	Kg
1.775.1100/E15K	7-511	Polyurethane Matt Topcoat	15	Kg
1.775.1200/E3.5K	7-512	Polyurethane Extra Topcoat	3.5	Kg
1.775.1200/E14K	7-512	Polyurethane Extra Topcoat	14	Kg
1.959.5060/E1	9-060	Extra PU Hardener	1	Lt
1.959.5060/E5	9-060	Extra PU Hardener	5	Lt
1.959.5060/E200	9-060	Extra PU Hardener (on request)	200	Lt
1.911.4420/E1	1-420	Thinner	1	Lt
1.911.4420/E5	1-420	Thinner	5	Lt
1.991.3208/E5	1-208	Slow Thinner	5	Lt
1.991.1470/E5	1-470	Slow Direct Thinner	5	Lt
1.991.1470/E200	1-470	Slow Direct Thinner	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.

## TECHNICAL DATASHEET

Issue date:  
November 2020

# SELEMIX® 2K POLYURETHANE SEMI-MATT TOPCOAT 7-512/-511 and 2.775.1160

## PRODUCT DESCRIPTION

Selemix 7-512/-511 or 2.775.1160 2K Polyurethane Topcoat is a high quality semi-matt 2-pack Polyurethane finish for solid colours and single-layer metallic finishes. It dries quickly to give a semi-matt finish and very good durability. Application can be by conventional or air-assisted airless spray.

It is compatible with Selemix Epoxy and Polyurethane primers, giving a highly durable and hard wearing paint system. It is suitable for the coating of machinery, agricultural and construction equipment, and many other industrial painting applications where a durable, semi-matt finish is required.

## PRODUCTS

7-512/-511	Selemix Polyurethane Semi-Matt Topcoat (Blended from 7-511 and 7-512)
2.775.1160	Selemix Polyurethane Semi-Matt Topcoat (Readymixed)
NPxx	Selemix NP Tinters

### Hardeners:

9-060	Extra PU Hardener
-------	-------------------

### Thinners:

1-420	Polyurethane Thinner
1-208	Slow Thinner
1-470	Slow Direct Thinner

## SUBSTRATES AND PREPARATION



Painted Surfaces  
Polyurethane or  
Polyester Fillers

Machine sand with P320-400 discs and degrease






Selemix Epoxy Primers  
or PU Primers

Refer to Primer TDS for recoat time



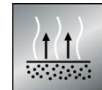
Apply only on a clean and dry surface with a temperature above the dew point to avoid condensation. In confined spaces, provide adequate ventilation during application and drying.

## MIXING

Thoroughly mix paint before activating and check colour before use

	Features Standard System	Conventional	Air-Assisted Airless
	<b>By Weight:</b> 7-512/511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	1000 150 300-350	1000 150 300-350
	<b>By Volume:</b> 7-512/511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	6 1 2 - 2.5 (30-40%)	6 1 2 - 2.5 (30-40%)
	Viscosity (at 20°C): Pot Life (at 20°C):	18-20 secs DIN4 1.5 hours	18-20 secs DIN4 1.5 hours

## APPLICATION

	Features	Conventional	Air-Assisted Airless
	Spraygun setup:   Air Pressure: Fluid Pressure:	Nozzle: Gravity: 1.3-1.4mm Suction: 1.6-1.8mm Pressure feed: 0.85-1.2mm  HVLP: 2 Bar Standard: 2-3 Bar N/A	Nozzle: 9-11 thou 0.23-0.28mm  2.5 Bar 80-100 Bar
	Number of coats: Flash-off between coats:	2 10-15 mins	2 10-15 mins
	Drying:  Flash-off before bake: Wet Film Thickness: Dry Film Thickness:	Air dry or bake at 60°C for 30-40 mins  10 mins 120 microns 50 microns	Air dry or bake at 60°C for 30-40 mins  10 mins 120 microns 50 microns

## DRYING TIMES



at 20°C

Dust Free:  
Touch Free:  
Tape Free:  
Handleable:  
Hard Dry:  
Overcoating time:

10-15 mins  
1-1.5 hours  
16 hours  
4-5 hours  
12-18 hours or after bake

Minimum: 14 hours  
Maximum: 24 hours by itself without sanding

Lower temperature or film thickness higher than 50µm  
will extend drying times

## TECHNICAL DATA

Based on ready-for-use mixed paint  
including thinner:

VOC (g/L):  
Solid content (weight):  
Solid content (volume):  
Solvent content (weight):  
Specific gravity (Ready for use)

664-687 g/L (depending on colour and dilution)  
41-43 %  
35-37 %  
55-59 %  
1.17-1.18 Kg/L

Theoretical coverage:  
Gloss:

7.0-7.4 m²/L at 50 microns DFT  
Semi-Matt



## PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
2.775.1160/E3.75K	7-512/-511	Polyurethane Semi-Matt Topcoat	3.75	Kg
1.775.1100/E3.75K	7-511	Polyurethane Matt Topcoat	3.75	Kg
1.775.1100/E15K	7-511	Polyurethane Matt Topcoat	15	Kg
1.775.1200/E3.5K	7-512	Polyurethane Extra Topcoat	3.5	Kg
1.775.1200/E14K	7-512	Polyurethane Extra Topcoat	14	Kg
1.959.5060/E1	9-060	Extra PU Hardener	1	Lt
1.959.5060/E5	9-060	Extra PU Hardener	5	Lt
1.959.5060/E200	9-060	Extra PU Hardener (on request)	200	Lt
1.911.4420/E1	1-420	Thinner	1	Lt
1.911.4420/E5	1-420	Thinner	5	Lt
1.991.3208/E5	1-208	Slow Thinner	5	Lt
1.991.1470/E5	1-470	Slow Direct Thinner	5	Lt
1.991.1470/E200	1-470	Slow Direct Thinner	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:

Selemix Customer Service and Sales Group  
 Needham Road  
 Stowmarket, Suffolk  
 IP14 2AD, England  
 Tel: 01449 771771