

## TECHNICAL DATASHEET

Issue date:  
Feb 2020

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

## PRODUCT DESCRIPTION

*Selemix* 7-512/511 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  
 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:	Nozzle: Gravity: 1.3-1.4mm Suction: 1.6-1.8mm Pressure feed: 0.85-1.2mm	Nozzle: 9-11 thou 0.23-0.28mm
	Air Pressure:	HVLP: 2 Bar Standard: 2-3 Bar	2.5 Bar
	Fluid Pressure:	N/A	80-100 Bar
	Number of coats:	2	2
	Flash-off between coats:	10-15 mins	10-15 mins
	Drying:	Air dry or bake at 60°C for 30-40 mins	Air dry or bake at 60°C for 30-40 mins
	Flash-off before bake:	10 mins	10 mins
	Wet Film Thickness:	120 microns	120 microns
	Dry Film Thickness:	50 microns	50 microns

## DRYING TIMES



at 20°C

Dust Free:	10-15 mins
Touch Free:	1-1.5 hours
Tape Free:	16 hours
Handleable:	4-5 hours
Hard Dry:	10-12 hours or after bake
Overcoating time:	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):	641-687 g/L (depending on colour and dilution)
Solid content (weight):	43-47 %
Solid content (volume):	41-45 %
Solvent content (weight):	53-57 %
Specific gravity (Ready for use)	1.21-1.22 Kg/L
Theoretical coverage:	8.1-8.9 m <sup>2</sup> /L at 50 microns DFT
Gloss:	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
1.959.5060/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:

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