

TECHNICAL DATASHEET

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SELEMIX[®] 2K POLYURETHANE TOPCOAT 7-510

PRODUCT DESCRIPTION

Selemix 7-510 2K Polyurethane Topcoat is a 2-pack Polyurethane finish for solid colours and single-layer metallic finishes.

It is compatible with *Selemix Epoxy* and *Polyurethane* primers, giving a durable and hard wearing paint system. With *Selemix PUR Primer*, the same hardener and thinner can be used in both primer and topcoat, giving a simple and efficient process. It has a high gloss finish with good durability. Application can be by conventional or air-assisted airless spray.

It is suitable for the coating of machinery, agricultural and construction equipment, and many other industrial painting applications where a durable, high gloss finish is required.

PRODUCTS

7-510 *Selemix 2K Polyurethane 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 Hardener	Conventional	Air-Assisted Airless
	By Weight: 7-510 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	1000 300 350-400	1000 300 350-400
	By Volume: 7-510 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	3.5 1 1.3 - 1.5 (35-40%)	3.5 1 1.3 - 1.5 (35-40%)
	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:	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:	130 microns	130 microns
	Dry Film Thickness:	50 microns	50 microns

DRYING TIMES

 at 20°C	Dust Free:	10-15 mins
	Touch Free:	1-2 hours
	Tape Free:	16 hours
	Handleable:	4-6 hours
	Hard Dry:	10-16 hours or after bake
	Overcoating time:	Minimum: when Hard Dry
		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):	565-581 g/L (depending on colour and dilution)
Solid content (weight):	43-48 %
Solid content (volume):	36-38 %
Solvent content (weight):	52-57 %
Specific gravity (Ready for use)	1.02-1.08 Kg/L
Theoretical coverage:	7.2-7.5 m ² /L at 50 microns DFT
Gloss:	High Gloss

PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
1.775.1000/E3.75K	7-510	Polyurethane Topcoat	3.75	Kg
1.775.1000/E15K	7-510	Polyurethane Topcoat	15	Kg
1.959.5060/E1	9-060	Extra PU Hardener	1	Lt
1.959.5060/E5	9-060	Extra PU Hardener	5	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

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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