

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

Thinner:

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
	<p>Spraygun setup:</p> <p>Nozzle: Gravity: 1.3-1.4mm Suction: 1.6-1.8mm Pressure feed: 0.85-1.2mm</p>	<p>Nozzle: 9-11 thou 0.23-0.28mm</p>
	<p>Air Pressure: HVLP: 2 Bar Standard: 2-3 Bar</p> <p>Fluid Pressure: N/A</p>	<p>2.5 Bar</p> <p>80-100 Bar</p>
	<p>Number of coats: 2</p> <p>Flash-off between coats: 10-15 mins</p>	<p>2</p> <p>10-15 mins</p>
	<p>Drying: Air dry or bake at 60°C for 30-40 mins</p> <p>Flash-off before bake: 10 mins</p> <p>Wet Film Thickness: 130 microns</p> <p>Dry Film Thickness: 50 microns</p>	<p>Air dry or bake at 60°C for 30-40 mins</p> <p>10 mins</p> <p>130 microns</p> <p>50 microns</p>

DRYING TIMES

 at 20°C	<p>Dust Free: 10-15 mins</p> <p>Touch Free: 1-2 hours</p> <p>Tape Free: 16 hours</p> <p>Handleable: 4-6 hours</p> <p>Hard Dry: 10-16 hours or after bake</p> <p>Overcoating time: Minimum: when Hard Dry Maximum: 24 hours by itself without sanding</p> <p>Lower temperature or film thickness higher than 50µm will extend drying times</p>
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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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