TECHNICAL DATASHEET

Issue date:
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SELEMIX® 2K POLYURETHANE MATT TOPCOAT
7-511

PRODUCT DESCRIPTION

Selemix 7-511 2K Polyurethane Topcoat is a Matt 2-pack Polyurethane finish for solid colours and single-layer metallic finishes. It can be combined with 7-512 Gloss Binder to give semi-gloss and semi-matt finishes.

It is compatible with Selemix Epoxy and Polyurethane primers, giving a 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, matt finish is required.

PRODUCTS

7-511	*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

Note: If mixing 7-511 and 7-512 Binders for semi-matt or semi-gloss finishes, please refer to the separate Selemix TDSs 573 and 575.
Thoroughly mix paint before activating and check colour before use

	Features Standard Hardeners	Conventional	Air-Assisted Airless
	**By Weight:** 7-511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	 1000 150 350-400	 1000 150 350-400
	**By Volume:** 7-511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	 6 1 2.5-3 (40-50%)	 6 1 2.5-3 (40-50%)
	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:	15-20 mins
Touch Free:	1-2 hours
Tape Free:	16 hours
Handleable:	4-5 hours
Hard Dry:	12-18 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):	617-638 g/L (depending on colour and dilution)
Solid content (weight):	42-46 %
Solid content (volume):	30-32 %
Solvent content (weight):	54-58 %
Specific gravity (Ready for use)	1.08-1.16 Kg/L
Theoretical coverage:	6-6.4 m^2/L at 50 microns DFT
Gloss:	Matt

PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
1.775.1100/E3.75K	7-511	Polyurethane Matt Topcoat	3.75	Kg
1.775.1100/E15K	7-511	Polyurethane Matt Topcoat	15	Kg
1.959.5060/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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