

TECHNICAL DATASHEET

Issue date:
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SELEMIX® 2K POLYURETHANE STRUCTURED TOPCOAT 7-513

PRODUCT DESCRIPTION

Selemix 7-513 2K Polyurethane Structured Topcoat is a textured 2-pack Polyurethane finish for solid colours. It has a gloss finish, and gives a textured durable film with good resistance to colour and gloss fading.

It is compatible with *Selemix* Polyurethane and Epoxy primers, giving a durable and hard-wearing paint system.

It is suitable for the coating of industrial equipment and machinery. It is suitable for exterior surfaces exposed to sunlight.

PRODUCTS

7-513 *Selemix* Polyurethane Structured Topcoat
 NPxx *Selemix* NP Tinters

Hardener:

9-300 Textured Polyurethane Hardener

Thinner:

1-420 PU 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
Apply one smooth coat followed by one textured coat

	Features	Conventional Smooth Coat	Conventional Textured Coat
	By Weight: 7-513 Topcoat 9-300 Hardener 1-420 Thinner	1000 200 300 - 400	1000 200 0 - 100
	By Volume: 7-513 Topcoat 9-300 Hardener 1-420 Thinner	9 2 3.4 – 4.6 (40-50%)	9 2 0 – 1.2 (0-15%)
	Viscosity (at 20°C): Pot Life (at 20°C):	18-22 secs DIN4 1.5 hours	High Viscosity 1 hour

APPLICATION

	Features	Conventional Smooth Coat	Conventional Textured Coat
	Spraygun setup:	Nozzle: Gravity: 1.6-2.5mm Suction: Not recommended Pressure feed: 1.4-1.8mm	Nozzle: Gravity: 1.8-2.5mm Suction: Not recommended Pressure feed: 1.4-1.8mm
	Air Pressure:	HVLP: 2 Bar Standard: 2-3 Bar	HVLP: 0.3 – 0.65 Bar Standard: 0.3 – 0.65 Bar
	Fluid Pressure:	N/A	N/A
	Number of coats:	1 smooth and 1 textured	1 smooth and 1 textured
	Flash-off between coats:	1-2 hours	1-2 hours
	Drying:	Air dry or bake at 60°C for 40 mins	Air dry or bake at 60°C for 40 mins
	Flash-off before bake:	10 mins	10 mins
	Wet Film Thickness:	100-125 microns	100-125 microns
	Dry Film Thickness:	40-50 microns	40-50 microns

DRYING TIMES



at 20°C

Dust Free:	15-20 mins
Touch Free:	1-2 hours
Tape Free:	16 hours
Handleable:	6-8 hours
Hard Dry:	16-24 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):	351-531 g/L (depending on colour and dilution)
Solid content (weight):	51-71 %
Solid content (volume):	37-52 %
Solvent content (weight):	29-49 %
Specific gravity (Ready for use)	1.08-1.23 Kg/L
Theoretical coverage:	8.0-11 m ² /L at 40 microns DFT
Gloss:	Gloss

PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
1.775.1300/E4K	7-513	Polyurethane Structured Topcoat	4	Kg
1.775.1300/E14K	7-513	Polyurethane Structured Topcoat	14	Kg
1.775.1300/E200K	7-513	Polyurethane Structured Topcoat (on request)	14	Kg
1.959.1300/E1	9-300	Textured Polyurethane Hardener	1	Lt
1.911.4420/E1	1-420	PU Thinner	1	Lt
1.911.4420/E5	1-420	PU 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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