

## TECHNICAL DATASHEET

Issue date:  
Feb 2020

# SELEMIX<sup>®</sup> 2K EPOXY MATT TOPCOAT 7-412

## PRODUCT DESCRIPTION

*Selemix* 7-412 2K Epoxy Matt Topcoat is a 2-pack Epoxy finish for solid colours and single-layer metallic finishes. It has a matt finish, and gives a hard and chemically resistant film. It can be combined with 7-410 Gloss Binder to give semi-gloss and semi-matt finishes.

It is compatible with *Selemix* Epoxy primers, giving a durable and hard wearing paint system. Application can be by conventional or air-assisted airless spray.

It is suitable for the coating of equipment and machinery, especially those situated in an aggressive environment. It should not be used on exterior surfaces exposed to sunlight if a good level of colour stability is required.

## PRODUCTS

7-412                    *Selemix* Epoxy Matt Topcoat  
NPxx                    *Selemix* NP Tinters

### Hardener:

9-010                    Epoxy Hardener  
9-011                    Fast Epoxy Hardener

### Thinners:

1-400                    Slow Epoxy Thinner  
1-410                    Epoxy Thinner

## SUBSTRATES AND PREPARATION



Steel (use a primer in corrosive environments)

Machine sand with P80-120 discs and degrease






*Selemix* Epoxy 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	Conventional	Air-Assisted Airless
	<b>By Weight:</b> 7-412 Topcoat 9-010 / 9-011 Hardener 1-410 / 1-400 Thinner	1000 200 200 - 300	1000 200 200-300
	<b>By Volume:</b> 7-412 Topcoat 9-010 / 9-011 Hardener 1-410 / 1-400 Thinner	3.5 1 1-1.5 (30-40%)	3.5 1 1-1.5 (30-40%)
	Viscosity (at 20°C): Pot Life (at 20°C):	18-22 secs DIN4 6-8 hours	18-22 secs DIN4 6-8 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 60 mins	Air dry or bake at 60°C for 60 mins
	Flash-off before bake:	10 mins	10 mins
	Wet Film Thickness:	140 microns	140 microns
	Dry Film Thickness:	50 microns	50 microns

## DRYING TIMES



at 20°C

Dust Free:	20-30 mins
Touch Free:	3-4 hours
Tape Free:	12-18 hours
Handleable:	6-8 hours
Hard Dry:	12-18 hours or after bake
Overcoating Time:	Minimum: 3 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):	558-591 g/L (depending on colour and dilution)
Solid content (weight):	49-55 %
Solid content (volume):	32-36 %
Solvent content (weight):	45-51 %
Specific gravity (Ready for use)	1.14-1.24 Kg/L
Theoretical coverage:	6.4-7.2 m <sup>2</sup> /L at 50 microns DFT
Gloss:	Matt

## PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
1.774.1200/E4K	7-412	Epoxy Matt Topcoat	4	Kg
1.959.4010/E1	9-010	Epoxy Hardener	1	Lt
1.959.4010/E5	9-010	Epoxy Hardener	5	Lt
1.959.4011/E1	9-011	Fast Epoxy Hardener	1	Lt
1.959.4011/E5	9-011	Fast Epoxy Hardener	5	Lt
1.911.4400/E5	1-400	Slow Epoxy Thinner	5	Lt
1.911.4410/E1	1-410	Epoxy Thinner	1	Lt
1.991.4410/E5	1-410	Epoxy Thinner	5	Lt

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## HEALTH AND SAFETY

For comprehensive Health, Safety and Environmental advice, please refer to the relevant Material Safety Data Sheets and Product can labels.

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## 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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