

TECHNICAL DATASHEET

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SELEMIX® 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
	By Weight: 7-412 Topcoat 9-010 / 9-011 Hardener 1-410 / 1-400 Thinner	1000 200 200 - 300	1000 200 200-300
	By Volume: 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: Air Pressure: Fluid Pressure:	Nozzle: Gravity: 1.3-1.4mm Suction: 1.6-1.8mm Pressure feed: 0.85-1.2mm HVLP: 2 Bar Standard: 2-3 Bar N/A	Nozzle: 9-11 thou 0.23-0.28mm 2.5 Bar 80-100 Bar
	Number of coats: Flash-off between coats:	2 10-15 mins	2 10-15 mins
	Drying: Flash-off before bake: Wet Film Thickness: Dry Film Thickness:	Air dry or bake at 60°C for 60 mins 10 mins 140 microns 50 microns	Air dry or bake at 60°C for 60 mins 10 mins 140 microns 50 microns

DRYING TIMES



at 20°C

Dust Free:
 Touch Free:
 Tape Free:
 Handleable:
 Hard Dry:
 Overcoating Time:

20-30 mins
 3-4 hours
 12-18 hours
 6-8 hours
 12-18 hours or after bake
 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):
 Solid content (weight):
 Solid content (volume):
 Solvent content (weight):
 Specific gravity (Ready for use)

558-591 g/L (depending on colour and dilution)
 49-55 %
 32-36 %
 45-51 %
 1.14-1.24 Kg/L

Theoretical coverage:

6.4-7.2 m²/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/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

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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