

TECHNICAL DATASHEET

Issue date:
November 2020

SELEMIX® 2K POLYURETHANE SEMI-MATT TOPCOAT 7-512/-511

PRODUCT DESCRIPTION

Selemix 7-512/-511 2K Polyurethane Topcoat is a high quality semi-matt 2-pack Polyurethane finish for solid colours and single-layer metallic finishes. It dries quickly to give a semi-matt finish and very good durability. Application can be by conventional or air-assisted airless spray.

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

PRODUCTS

7-512/-511 *Selemix* Polyurethane Semi-Matt Topcoat (Blended from 7-511 and 7-512)
 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

Thoroughly mix paint before activating and check colour before use

	Features Standard System	Conventional	Air-Assisted Airless
	By Weight: 7-512/511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	1000 150 300-350	1000 150 300-350
	By Volume: 7-512/511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	6 1 2 - 2.5 (30-40%)	6 1 2 - 2.5 (30-40%)
	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
	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 30-40 mins 10 mins 120 microns 50 microns	Air dry or bake at 60°C for 30-40 mins 10 mins 120 microns 50 microns

DRYING TIMES



at 20°C

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

10-15 mins
 1-1.5 hours
 16 hours
 4-5 hours
 12-18 hours or after bake
 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):
 Solid content (weight):
 Solid content (volume):
 Solvent content (weight):
 Specific gravity (Ready for use)

664-687 g/L (depending on colour and dilution)
 41-43 %
 35-37 %
 55-59 %
 1.17-1.18 Kg/L

Theoretical coverage:
 Gloss:

7.0-7.4 m²/L at 50 microns DFT
 Semi-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
1.775.1200/E3.5K	7-512	Polyurethane Extra Topcoat	3.5	Kg
1.775.1200/E14K	7-512	Polyurethane Extra Topcoat	14	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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