

TECHNICAL DATASHEET

Issue date:
November 2020

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

PRODUCT DESCRIPTION

Selemix 7-512/-511 2K Polyurethane Topcoat is a high quality semi-gloss 2-pack Polyurethane finish for solid colours and single-layer metallic finishes. It dries quickly to give a semi-gloss 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-gloss finish is required.

PRODUCTS

7-512/-511 *Selemix* Polyurethane Semi-Gloss 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	Conventional	Air-Assisted Airless
 Standard System		
 By Weight: 7-512/511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	1000 200 200-300	1000 200 200-300
 By Volume: 7-512/511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner	4.5 1 0.9-1.4 (20-30%)	4.5 1 0.9-1.4 (20-30%)
 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:	10-15 mins
Touch Free:	1-1.5 hours
Tape Free:	16 hours
Handleable:	4-5 hours
Hard Dry:	10-12 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):	641-687 g/L (depending on colour and dilution)
Solid content (weight):	43-47 %
Solid content (volume):	41-45 %
Solvent content (weight):	53-57 %
Specific gravity (Ready for use)	1.21-1.22 Kg/L
Theoretical coverage:	8.1-8.9 m ² /L at 50 microns DFT
Gloss:	Semi-Gloss

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:

Selemix Customer Service and Sales Group
 Needham Road
 Stowmarket, Suffolk
 IP14 2AD, England
 Tel: 01449 771771