

TECHNICAL DATASHEET

Issue date:
Feb 2020

SELEMIX[®] 2K POLYURETHANE UHS TOPCOAT 7-550

PRODUCT DESCRIPTION

Selemix 7-550 2K Polyurethane UHS Topcoat is a 2-pack polyurethane finish for solid colours and single-layer metallic finishes. It has high solids and a low VOC.

It is compatible with Selemix Epoxy and Polyurethane primers, giving a durable and hard wearing paint system. It has a high gloss finish (>90%) with excellent durability and UV stability.

It is suitable for the coating of trailers, machinery, agricultural and construction equipment, and many other industrial painting applications where a very durable, high gloss finish is required with a low VOC.

PRODUCTS

7-550 *Selemix Polyurethane UHS Topcoat*
 NPxx *Selemix NP Tinters*

Hardener:

9-075 Direct HS Hardener

Thinners:

1-480 Direct PUR 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
	By Weight: 7-550 Topcoat 9-075 Hardener 1-480/1-470 Thinner	1000 400 100 - 200
	By Volume: 7-550 Topcoat 9-075 Hardener 1-480/1-470 Thinner	2.5 1 0.1 – 0.5 (5-20%)
	Viscosity (at 20°C): Pot Life (at 20°C):	23-25 secs DIN4 2 hours

APPLICATION

	Features	Conventional
	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
	Number of coats: Flash-off between coats:	2 10-15 mins
	Drying: Flash-off before bake: Wet Film Thickness: Dry Film Thickness:	Air dry or bake at 60°C for 45 mins 20 mins 100-140 microns 50-70 microns

DRYING TIMES



at 20°C

Dust Free:	10-15 mins
Touch Free:	1-2 hours
Tape Free:	10-12 hours
Handleable:	4-6 hours
Hard Dry:	10-12 hours or after bake
Overcoating time:	Minimum: 16 hours Maximum: 24 hours by itself without sanding

Lower temperature or film thickness higher than 70µm will extend drying times

TECHNICAL DATA

Based on ready-for-use mixed paint including thinner:

VOC (g/L):	392-568 g/L (depending on colour and dilution)
Solid content (weight):	45-64 %
Solid content (volume):	35-55 %
Solvent content (weight):	36-55 %
Specific gravity (Ready for use)	1.04-1.13 Kg/L
Theoretical coverage:	5.8-9.1 m ² /L at 60 microns DFT
Gloss:	High Gloss

PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
1.775.5000/E15K	7-550	Polyurethane UHS	15	Kg
1.991.5075/E5	9-075	Direct HS Hardener	5	Lt
1.991.5075/E25	9-075	Direct HS Hardener	25	Lt
1.991.5075/E205	9-075	Direct HS Hardener (on request)	205	Lt
1.991.1480/E5	1-480	Direct PUR Thinner	5	Lt
1.991.1480/E25	1-480	Direct PUR Thinner	25	Lt
1.991.1480/E200	1-480	Direct PUR Thinner	200	Lt
1.991.1470/E5	1-470	Slow Direct Thinner	5	Lt
1.991.1470/E200	1-470	Slow Direct Thinner	200	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