

TECHNICAL DATASHEET

Issue date:
Feb 2020

SELEMIX® 2K WB POLYURETHANE MATT TOPCOAT 8-553

PRODUCT DESCRIPTION

Selemix 8-553 is a two component waterborne matt polyurethane topcoat suitable for surfaces exposed to weathering, mechanical and chemical stress both indoors and outdoors.

It provides good color retention and excellent hardness.

It is recommended for high quality matt finishes in industrial and agricultural equipment and machinery and is compatible with *Selemix* waterborne and solventborne 2-pack epoxy and polyurethane primers..

PRODUCTS

8-553 *Selemix* WB Polyurethane Matt Topcoat
WBxx *Selemix* Waterborne Tinters

Hardener

9-560 Hardener for WB Polyurethane Topcoat

Thinner:

Water Tap Water

SUBSTRATES AND PREPARATION



Any *Selemix* Solventborne or Waterborne 2K Primer

Wet on Wet or Machine sand with P320-360 discs and degrease






Painted Surfaces

Machine sand with P320-360 discs and degrease




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: 8-553 Topcoat 9-560 Hardener	1000 150 Thoroughly mix topcoat during 5 minutes and then add:	1000 150 Thoroughly mix topcoat during 5 minutes and then add:
	Water	200 - 300	200-300
	By Volume: 8-553 Topcoat 9-560 Hardener	6 1 Thoroughly mix topcoat during 5 minutes and then add:	6 1 Thoroughly mix topcoat during 5 minutes and then add:
	Water	1-1.5 (20-30%)	1-1.5 (20-30%)
	Viscosity (at 20°C):	30-35 secs DIN4	30-40 secs DIN4
	Pot Life (at 20°C):	1-2 hours	1-2 hours

APPLICATION

	Features	Conventional	Air-Assisted Airless
	Spraygun setup:	Nozzle: Gravity: 1.3 - 1.6 mm Suction: 1.6 - 1.8 mm Pressure feed: 0.8 - 1.2 mm	Nozzle: 09-11 thou 0.23-0.28 mm
	Air Pressure:	HVLP: 2 Bar Standard: 2-3 Bar	2.5 – 3 Bar
	Fluid Pressure:	N/A	70 - 110 Bar
	Number of coats:	1 Light closed + 1 medium	1 Light Dry + 2 medium coats
	Flash-off between coats:	20 mins minimum at 20°C or until matt	20 mins minimum at 20°C or until matt
	Drying:	Air dry or bake 60°C for 45 mins	Air dry or bake 60°C for 45 mins
	Flash-off before bake:	30 mins minimum at 20°C or until matt	30 mins minimum at 20°C or until matt
	Wet Film Thickness:	100-125 microns	100-125 microns
	Dry Film Thickness:	45-55 microns	45-55 microns

MATTING CHART (All Colours)

	8-553 Matt	8-552/8-553 Semi-Matt	8-552/8-553 Semi-Gloss	8-552 Gloss
8-552	-	24 %	30 %	60 %
8-553	60 %	36 %	30 %	-
Tinting Bases	40 %	40 %	40 %	40 %
ReadyMix Color (Vol)	6	5.5	5.5	5
9-560 Hardener	1	1	1	1
Water	1.5	1.5	1.5	1.5

DRYING TIMES



at 20°C

Dust Free
Touch Free
Handleable
Hard Dry

20 mins
3 - 4 hours
5 - 6 hours
24 hours

Stoving:

45 minutes @60°C
(according to film thickness)

Overcoating time:

Minimum: 4 hours
Maximum: 24 hours without sanding on clean surface
with itself

Note:

Lower temperature or film thickness higher than 50µm
will extend drying times.
The drying times quoted are approximate times and will vary
depending on drying conditions and film thickness.
Poor ventilation, temperature below 20°C, humidity above 85%
RH and excessive film thickness will extend the drying times.

TECHNICAL DATA

Based on ready-for-use mixed paint including water:	
VOC (g/L):	236 g/L
Solid content (weight):	32-46 %
Solid content (volume):	27-35 %
Theoretical coverage:	5.5 - 7.0 m ² per litre at 50 microns DFT
Specific gravity (Ready for use)	1.14-1.34 Kg/L
Gloss:	Gloss to Matt Finish
Storage:	STORE FREE FROM FROST ABOVE 4°C. Prolonged exposure to high temperatures or direct sources of heat should be avoided

PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
1.785.5200/E12K	8-552	WB Polyurethane Gloss Topcoat	12	Kg
1.785.5300/E12K	8-553	WB Polyurethane Matt Topcoat	12	Kg
1.959.8560/E5	9-560	Hardener for WB Polyurethane Topcoat	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