

TECHNICAL DATASHEET

Issue date:
Feb 2020

SELEMIX 1K HIGH TEMPERATURE TOPCOATS

SILVER 2.776.0350

BLACK 2.776.0600

PRODUCT DESCRIPTION

Selemix 2.776.0XXX 1K High Temperature Topcoats are 1K modified silicon topcoats and are designed for the painting of metal structures which require a protective paint film that is resistant to high temperatures.

2.776.0350 is a Silver coloured coating with resistance to 350°C

2.776.0600 is a Black coloured coating with resistance to 600°C

Both coatings give a matt finish.

PRODUCTS

2.776.0350 *Selemix* High Temperature Topcoat – Silver (up to 350°C)

2.776.0600 *Selemix* High Temperature Topcoat – Black (up to 600°C)

Thinners:

1-215 Nitrocellulose Thinner
 1-205 Aromatic-Free Thinner
 1-610 Synthetic Thinner

SUBSTRATES AND PREPARATION



Steel
(interior use)

Clean thoroughly, ensure that the substrate is corrosion-free
Machine sand with P320 discs and degrease



Aluminium
(interior use)

Clean thoroughly, ensure that the substrate is corrosion-free
Machine sand with P320 discs and degrease

For exterior use where corrosion resistance is required, please refer to you Selemix Specialist

Apply only on a clean and dry surface with a temperature above 15C. In confined spaces, provide adequate ventilation during application and drying.

MIXING

Thoroughly mix paint before activating and check colour before use

	Features Conventional Spray	2.776.0350 Silver	2.776.0600 Black
	By Weight: 2.776.0XXX Topcoat 1-215 /1-205 /1-610 Thinner	1000 200-250	1000 50-150
	By Volume: 2.776.0XXX Topcoat 1-215 /1-205 /1-610 Thinner	5 1-1.5 (20-30%)	10 0.5-1.5 (5-15%)
	Viscosity (at 20°C): Pot Life (at 20°C):	16-19 secs DIN4 Unlimited	19-29 secs DIN4 Unlimited
	Features Air-Assisted Airless	2.776.0350 Silver	2.776.0600 Black
	By Weight: 2.776.0XXX Topcoat 1-215 /1-205 /1-610 Thinner	1000 Use Unthinned	1000 Use Unthinned
	Viscosity (at 20°C): Pot Life (at 20°C):	25-30 secs DIN4 Unlimited	23-30 secs DIN4 Unlimited

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:	5-10 mins	5-10 mins
	Drying:	Air dry or bake 30 mins at 60°C	Air dry or bake 30 mins at 60°C
	Wet Film Thickness:	120 microns	120 microns
	Dry Film Thickness:	25-50 microns	25-50 microns

DRYING TIMES



at 20°C

Dust Free:	20-30 mins
Touch Free:	1-2 hours
Tape Free:	2 hours
Handleable:	1-2 hours or 30 mins at 60°C
Hard Dry:	30-40 mins at 180°C
Overcoating time:	Minimum: 1 hour or 30 mins at 60°C Maximum: 2 hours with light sanding
Lower temperature or film thickness higher than 50µm will extend drying times	

TECHNICAL DATA

Based on ready-for-use mixed paint including thinner:	2.776.0350 Silver	2.776.0600 Black
VOC (g/L):	740 g/L (depending on dilution)	687 g/L (depending on dilution)
Solid content (weight):	27.6 %	34.5 %
Solid content (volume):	15.4 %	22.0 %
Solvent content (weight):	72.4 %	65.5 %
Specific gravity (Ready for use)	1.023 Kg/L	1.048 Kg/L
Theoretical coverage:	6.2 m ² /L at 25 microns DFT	8.8 m ² /L at 25 microns DFT
Gloss:	Matt	Matt
Brush Application:	Not recommended	Suitable for small areas Thin with 0-3% Thinner
Electrostatic application	Not recommended	Suitable

PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
2.776.0350/E4K	-	High Temperature Topcoat Silver	4	Kg
2.776.0600/E4K	-	High Temperature Topcoat Black	4	Kg
1.921.3215/E5	1-215	Nitrocellulose Thinner	5	Lt
1.911.5610/E5	1-610	Synthetic Thinner	5	Lt
1.991.1205/E25	1-205	Aromatic Free Thinner	25	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