

## TECHNICAL DATASHEET

Issue date:  
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# SELEMIX® 1K SYNTHETIC FAST DRY TOPCOAT 7-610

## PRODUCT DESCRIPTION

*Selemix 7-610 1K Synthetic Fast Dry Topcoat* is a gloss 1K synthetic alkyd finish for solid colours and single-layer metallic finishes.

It is compatible with *Selemix Fast Dry* primers, giving a durable paint system. It has a high gloss finish with good durability. Application can be by conventional or air-assisted airless spray.

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

## PRODUCTS

7-610                      *Selemix Synthetic Fast Dry Topcoat*  
 NPxx                     *Selemix NP Tinters*

### Thinners:

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

### Hardener (optional):

9-510                    PU Hardener

## SUBSTRATES AND PREPARATION



Painted Surfaces  
Polyurethane or Polyester Fillers

Machine sand with P320-400 discs and degrease



*Selemix 1K primers*  
7-810, 7-820, 3-080X, 5-08851:

Refer to Primer TDS for recoat time




Steel (use a primer in corrosive environments)

Machine sand with P80-120 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
	<b>By Weight:</b> 7-610 Topcoat 1-610/1-215/1-205 Thinner	1000 250-350	1000 80-90
	<b>By Volume:</b> 7-610 Topcoat 1-610/1-215/1-205 Thinner	7 2 - 3 (30-40%)	10 1 (10%)
	Viscosity (at 20°C): Pot Life (at 20°C):	18-22 secs DIN4 Unlimited	High Viscosity 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	100-120 Bar
	Number of coats:	2	2
	Flash-off between coats:	10-15 mins	10-15 mins
	Drying:	Air dry	Air dry
	Wet Film Thickness:	120 microns	120 microns
	Dry Film Thickness:	40-50 microns	40-50 microns

## DRYING TIMES



at 20°C

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

10-15 mins  
 1-2 hours  
 16 hours  
 4-5 hours  
 24-48 hours  
 Minimum: 6 days  
 Maximum: 1 month by itself without sanding

With addition of 10% 9-510 Hardener:  
 Minimum: 1 day  
 Maximum: 3 days 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)

560-667 g/L (depending on colour and dilution)  
 33-47 %  
 22-36 %  
 53-67 %  
 0.99-1.07 Kg/L

Theoretical coverage:  
 Gloss:

4.5-7.2 m<sup>2</sup>/L at 50 microns DFT  
 High Gloss

Note on Paint Mixing:

When mixing colours, it is recommended that binders  
 and toners are weighed out first and mixed well before  
 the addition of driers

## PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
1.776.1000/E3.5K	7-610	Synthetic Fast Dry Topcoat	3.5	Kg
1.776.1000/E14K	7-610	Synthetic Fast Dry Topcoat	14	Kg
1.911.5610/E5	1-610	Synthetic Thinner	5	Lt
1.921.3215/E5	1-215	Nitrocellulose Thinner	5	Lt
1.959.3510/E5	9-510	Polyurethane Hardener	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:

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