

## TECHNICAL DATASHEET

Issue date:  
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# SELEMIX® 1K SYNTHETIC EXTRA FAST DRY TOPCOAT 7-649

## PRODUCT DESCRIPTION

*Selemix* 7-649 1K Synthetic Extra 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 very fast drying, and a 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 fast drying gloss finish is required.

## PRODUCTS

7-649                      *Selemix* Synthetic Extra Fast Dry Topcoat  
 NPxx                     *Selemix* NP Tinters

### Thinners:

1-215                     Nitrocellulose Thinner

## 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) :**

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> 7-649 Topcoat 1-215 Thinner	1000 450-550	1000 450-550
	<b>By Volume:</b> 7-649 Topcoat 1-215 Thinner	4 2 – 2.5 (50-60%)	4 2 – 2.5 (50-60%)
	Viscosity (at 20°C): Pot Life (at 20°C):	18-22 secs DIN4 Unlimited	18-22 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	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:	10-15 mins
Touch Free:	1-2 hours
Tape Free:	16 hours
Handleable:	2-3 hours
Hard Dry:	16-24 hours
Overcoating time:	Minimum: 24 hours
	Maximum: 4-5 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):	528-657 g/L (depending on colour and dilution)
Solid content (weight):	30-59 %
Solid content (volume):	24-40 %
Solvent content (weight):	41-70 %
Specific gravity (Ready for use)	0.95-1.28 Kg/L

Theoretical coverage:  
Gloss:

4.7-8 m<sup>2</sup>/L at 50 microns DFT  
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	
1.776.4900/E3.5K	7-649	Synthetic Extra Fast Dry Topcoat	3.5	Kg
1.776.4900/E14K	7-649	Synthetic Extra Fast Dry Topcoat	14	Kg
1.921.3215/E1	1-215	Nitrocellulose Thinner	1	Lt
1.921.3215/E5	1-215	Nitrocellulose 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:

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