

TECHNICAL DATASHEET

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SELEMIX[®] DIRECT GLASS PROCESS 7-536 / 7-537 / 7-110

PRODUCT DESCRIPTION

Selemix Direct is a robust polyurethane coating. When used with Selemix 6-585 Glass Adhesion Promoter, it gives an easy to use product that can be applied directly to glass for applications where the reverse side of the glass is painted. Examples are kitchen splashbacks, bathroom fittings, and advertising displays.

Selemix 7-110 2K Acrylic Topcoat Binder can also be used with **Selemix 6-585 Glass Adhesion Promoter** for glitter and sparkle effects, and for transparent finishes.

PRODUCTS

7-536	<i>Selemix</i> Direct Gloss 70% Mixed Colour
7-537	<i>Selemix</i> Direct Gloss 70% Light Colours (for white and pastel colours)
7-110	<i>Selemix</i> 2K Acrylic Topcoat Binder

Hardeners:

9-070	Direct Hardener
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Thinners:

1-470	Slow Direct Thinner
1-480	Direct Thinner
1-490	Accelerated Direct Thinner

Additives:

6-585	Glass Adhesion Promoter
6-550	Accelerator for Direct

SUBSTRATES AND PREPARATION






Glass	Clean and degrease thoroughly with a solvent or alcohol-based glass cleaner
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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 (Standard 7-536 / 7-537 Process)

Thoroughly mix paint before activating and check colour before use.

The speed of drying can be increased with use of 1-490 Thinner, or 6-550 Accelerator (added at 1-2%) but these can shorten the potlife. Use of 1-490 Thinner AND 6-550 together is not recommended.




	Features: Standard Process	Conventional Spray Solid Colours and Standard Metallic Finishes
	By Weight: 7-536 / 7-537 Topcoat 9-070 Hardener 6-585 Glass Additive 1-480 /1-470 /1-490 Thinner	1000 200 85 85
	By Volume: 7-536 / 7-537 Topcoat 9-070 Hardener 6-585 Glass Additive 1-480 /1-470 /1-490 Thinner	4 1 0.5 0.5 (12%)
	Viscosity (at 20°C): Pot Life (at 20°C):	20-25 secs DIN4 3 hours 1-2 hours with 1-490 Thinner

APPLICATION (Standard 7-536 / 7-537 Process)




	Features	Conventional
	Spraygun setup: Air Pressure: Fluid Pressure:	Nozzle: Gravity: 1.6-1.8mm Suction: 1.8-2.0mm Pressure feed:1.2-1.4mm HVLP: 2 Bar Standard: 2-3 Bar N/A
	Number of coats: Flash-off between coats:	2-3 5-10 mins
	Drying: Flash-off before bake: Wet Film Thickness: Dry Film Thickness:	Air dry or bake at 60°C for 45 mins 5-10 mins 100-200 microns 50-100 microns

MIXING (7-110 Effects Process)

Thoroughly mix paint before activating and check colour before use.

	Features: 7-110 Effects Process Conventional Spray	Effects Process Sparkles / Glitters	Transparent Effects
		Add Sparkles / Glitters to Selemix 7-110 Clear Binder at 0.5-2.5%	Add Selemix Tinters to Selemix 7-110 Clear Binder at 5%
	By Weight: 7-110 Binder 9-070 Hardener 6-585 Glass Additive	1000 500 300	1000 500 300
	By Volume: 7-110 Binder 9-070 Hardener 6-585 Glass Additive	2 1 0.6	2 1 0.6
	Viscosity (at 20°C): Pot Life (at 20°C):	20-25 secs DIN4 3 hours	20-25 secs DIN4 3 hours

APPLICATION (7-110 Effects Process)

	Features: 7-110 Effects Process Conventional Spray	Effects Process Sparkles / Glitters	Transparent Effects
	Spraygun setup:	Nozzle: Gravity: 1.6-1.8mm Suction: 1.8-2.0mm Pressure feed: 1.2-1.4mm	Nozzle: Gravity: 1.6-1.8mm Suction: 1.8-2.0mm Pressure feed: 1.2-1.4mm
	Air Pressure:	HVLP: 2 Bar Standard: 2-3 Bar	HVLP: 2 Bar Standard: 2-3 Bar
	Fluid Pressure:	N/A	N/A
	Number of coats:	1-2 light coats	2 Full Coats
	Flash-off between coats:	3-5 mins	5-10 mins
	Drying:	Air dry	Air dry or bake at 60°C for 45 mins
	Recoat time:	Recoat with 7-536 Glass System after a minimum of 10 mins	-
	Dry Film Thickness	10 microns	30-50 microns

DRYING TIMES



at 20°C

Features	Standard Process 7-536 / 7-537	Effects Process 7-110
Dust Free	60 mins	20 mins
Touch Free	1.5-2 hours	1.5-2 hours
Tape Free	24 hours	24 hours
Handleable	6-10 hours	6-10 hours
Hard Dry	24 hours	24 hours
Stoving:	45 minutes @ 60°C (according to film thickness)	45 minutes @ 60°C (according to film thickness)
Overcoating time:	Minimum: when Hard Dry Maximum: 5 months by itself without sanding	Minimum: 10 minutes Maximum: 24 hours without sanding
Note:	Lower temperature or film thickness higher than 100µm will extend drying times	Lower temperature or film thickness higher than 50µm will extend drying times

TECHNICAL DATA

Features	Standard Process 7-536 / 7-537	Effects Process 7-110
Based on ready-for-use mixed paint including thinner:		
VOC (g/L):	424-592g/L (depending on colour and dilution)	526-541g/L (depending on colour and dilution)
Solid content (weight):	43-59 %	47-53 %
Solid content (volume):	32-60 %	40-42 %
Solvent content (weight):	41-57 %	47-53 %
Specific gravity (Ready for use)	1.05-1.36 Kg/L	1.01-1.15 Kg/L
Theoretical coverage:	4-7.5 m ² per litre at 80 microns	7.9-8.3m ² per litre at 50 microns
Gloss:	Semi-Gloss	Gloss

PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
1.775.3600/E4.25K	7-536	Direct Gloss 80% Topcoat	4.25	Kg
1.775.3600/E17K	7-536	Direct Gloss 80% Topcoat	17	Kg
1.775.3700/E4.75K	7-537	Direct Gloss 80% Topcoat Light Colours	4.75	Kg
1.775.3700/E19K	7-537	Direct Gloss 80% Topcoat Light Colours	19	Kg
1.771.1000/E2.5K	7-110	Acrylic Topcoat	2.5	Kg
1.771.1000/E10K	7-110	Acrylic Topcoat	10	Kg
1.991.5070/E1	9-070	Direct Hardener	1	Lt
1.991.5070/E5	9-070	Direct Hardener	5	Lt
1.991.5070/E25	9-070	Direct Hardener	25	Lt
1.991.1470/E5	1-470	Slow Direct Thinner	5	Lt
1.991.1480/E5	1-480	Direct Thinner	5	Lt
1.991.1480/E25	1-480	Direct Thinner	5	Lt
1.991.1490/E5	1-490	Accelerated Direct Thinner	5	Lt
1.991.1490/E25	1-490	Accelerated Direct Thinner	5	Lt
1.965.5000/E1	6-550	Direct Accelerator	1	Lt
1.965.5000/E5	6-550	Direct Accelerator	5	Lt
1.965.8500/E1	6-585	Glass Adhesion Promoter	1	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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