

TECHNICAL DATASHEET

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SELEMIX® 2K POLYURETHANE MATT TOPCOAT 7-511

PRODUCT DESCRIPTION

Selemix 7-511 2K Polyurethane Topcoat is a Matt 2-pack Polyurethane finish for solid colours and single-layer metallic finishes. It can be combined with 7-512 Gloss Binder to give semi-gloss and semi-matt finishes.

It is compatible with Selemix Epoxy and Polyurethane primers, giving a durable and hard wearing paint system. It is suitable for the coating of machinery, agricultural and construction equipment, and many other industrial painting applications where a durable, matt finish is required.

PRODUCTS

7-511 *Selemix 2K Polyurethane Topcoat*
 NPxx *Selemix NP Tinters*

Hardeners:

9-060 Extra PU Hardener

Thinners:

1-420 Polyurethane Thinner
 1-208 Slow Thinner
 1-470 Slow Direct Thinner

SUBSTRATES AND PREPARATION



Painted Surfaces
Polyurethane or
Polyester Fillers

Machine sand with P320-400 discs and degrease



Selemix Epoxy Primers
or PU Primers




Refer to Primer TDS for recoat time

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

Note: If mixing 7-511 and 7-512 Binders for semi-matt or semi-gloss finishes, please refer to the separate Selemix TDSs 573 and 575.


Thoroughly mix paint before activating and check colour before use

| | Features Standard Hardeners | Conventional | Air-Assisted Airless |
|--|--|------------------------------|------------------------------|
|  | By Weight: 7-511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner | 1000 150 350-400 | 1000 150 350-400 |
|  | By Volume: 7-511 Topcoat 9-060 Hardener 1-420/1-208/1-470 Thinner | 6 1 2.5-3 (40-50%) | 6 1 2.5-3 (40-50%) |
|  | Viscosity (at 20°C): Pot Life (at 20°C): | 18-20 secs DIN4 1.5 hours | 18-20 secs DIN4 1.5 hours |

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: | 10-15 mins | 10-15 mins |
|  | Drying: | Air dry or bake at 60°C for 30-40 mins | Air dry or bake at 60°C for 30-40 mins |
| | Flash-off before bake: | 10 mins | 10 mins |
| | Wet Film Thickness: | 120 microns | 120 microns |
| | Dry Film Thickness: | 50 microns | 50 microns |

DRYING TIMES

| | | |
|--|-------------------|--|
|  at 20°C | Dust Free: | 15-20 mins |
| | Touch Free: | 1-2 hours |
| | Tape Free: | 16 hours |
| | Handleable: | 4-5 hours |
| | Hard Dry: | 12-18 hours or after bake |
| | Overcoating time: | Minimum: 14 hours Maximum: 24 hours 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): | 617-638 g/L (depending on colour and dilution) |
| Solid content (weight): | 42-46 % |
| Solid content (volume): | 30-32 % |
| Solvent content (weight): | 54-58 % |
| Specific gravity (Ready for use) | 1.08-1.16 Kg/L |
| Theoretical coverage: | 6-6.4 m ² /L at 50 microns DFT |
| Gloss: | Matt |

PRODUCT CODES AND DESCRIPTIONS

| Selemix Code | Short Code | Product Description | Packsize | |
|-------------------|------------|---------------------------|----------|----|
| 1.775.1100/E3.75K | 7-511 | Polyurethane Matt Topcoat | 3.75 | Kg |
| 1.775.1100/E15K | 7-511 | Polyurethane Matt Topcoat | 15 | Kg |
| 1.959.5060/E1 | 9-060 | Extra PU Hardener | 1 | Lt |
| 1.959.5060/E5 | 9-060 | Extra PU Hardener | 5 | Lt |
| 1.911.4420/E1 | 1-420 | Thinner | 1 | Lt |
| 1.911.4420/E5 | 1-420 | Thinner | 5 | Lt |
| 1.991.3208/E5 | 1-208 | Slow Thinner | 5 | Lt |
| 1.991.1470/E5 | 1-470 | Slow Direct 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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