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530

TECHNICAL DATASHEET

**Issue date:**
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# SELEMIX® POLYURETHANE PRIMER FOR PLASTICS
# 7-502

## PRODUCT DESCRIPTION

*Selemix* 7-502 is a 2K Primer suitable for use with the following plastics:
ABS, Nylon (PA), PC, PC/ABS, ABS/PA, PVC, Compressed PVC, PU/FG, and PEI (Ultem)
If used with PP Thinner 1-402, the primer is also suitable for PP and PP/EPDM
*Selemix* Plastic Primer is designed to be combined with Selemix System Tinters to provide a wide colour range.

It can be recoated with 2K Selemix solventborne or waterborne topcoats (see details below).

## PRODUCTS

| | |
|---|---|
| 7-502 | *Selemix* Polyurethane Primer For Plastics |
| NPxx | *Selemix* NP Tinters |

**Hardeners:**

| | |
|---|---|
| 9-080 | Acrylic Hardener |

**Thinners:**

| | |
|---|---|
| 1-402 | PP Thinner |
| 1-480 | Direct Thinner |

## SUBSTRATES AND PREPARATION

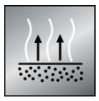
| | | |
|---|---|---|
|  | ABS, Nylon (PA), PC, PC/ABS, ABS/PA, PVC, Compressed PVC, PU/FG, PEI (Ultem) | Abrade with Scotchbrite (Fine)<br>Degrease with a non-aggressive cleaner suitable for plastics (antistatic cleaner is recommended) |
|  | PP, PP/EPDM | Abrade with Scotchbrite (Fine)<br>Degrease with a non-aggressive cleaner suitable for plastics (antistatic cleaner is recommended)<br>Flame treating is not normally required but could be used. |
| | 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, only for: PP and PP/EPDM only | Conventional |
|---|---|---|
|  | **By Weight:**<br>7-502 Primer (tinted)<br>9-080 Hardener<br>1-402 PP Thinner | <br>1000<br>200<br>250-300 |
|  | **By Volume:**<br>7-502 Primer (tinted)<br>9-080 Hardener<br><br>1-402 PP Thinner | <br>4<br>1<br><br>1 – 1.6<br>(25-40%) |
|  | Viscosity (at 20°C):<br><br><br>Pot Life (at 20°C): | 17-19 secs DIN4<br><br><br>3-4 hours |
| | **Features, only for: Other Plastics** | **Conventional** |
|  | **By Weight:**<br>7-502 Primer (tinted)<br>9-080 Hardener<br>1-480 Thinner | <br>1000<br>200<br>250-300 |
|  | **By Volume:**<br>7-502 Primer (tinted)<br>9-080 Hardener<br><br>1-480 Thinner | <br>4<br>1<br><br>1 – 1.6<br>(25-40%) |
|  | Viscosity (at 20°C):<br><br><br>Pot Life (at 20°C): | 17-19 secs DIN4<br><br><br>3-4 hours |

## APPLICATION

| Features | Conventional |
|---|---|
|  Spraygun setup: | Nozzle:<br>Gravity: 1.2-1.3mm<br>Suction: 1.4-1.6mm<br>Pressure feed: 0.85-1.0mm |
| Air Pressure: | HVLP: 2 Bar<br>Standard: 2.5-3 Bar |
|  Number of coats: | 1 |
| Flash-off before recoat: | Minimum 30 mins |
|  Drying: | Air dry |

## DRYING TIMES



at 20°C

| | |
|---|---|
| Dust Free<br>Handleable<br>Hard Dry | 5-10 mins<br>6 – 8 hours<br>24 hours |
| Stoving: | 30 minutes @50°C (according to film thickness) |
| Overcoating time: | Minimum: 30 mins<br>Maximum: 24 hours without sanding on clean surface<br>with 7-110, 7-512, 7-53X, 7-610, 7-540<br>or any Selemix Waterborne Topcoats |
| Note: | Lower temperature or too high film thickness<br>will extend drying times |

## TECHNICAL DATA

| | |
|---|---|
| Based on ready-for-use mixed paint including thinner: | |
| VOC (g/L): | 500-510 g/L (depending on colour and dilution) |
| Solid content (weight): | 48-49 % |
| Solid content (volume): | 29-30% |
| Solvent content (weight): | 51-52% |
| Specific gravity (Ready for use) | 0.98-1.00 Kg/L |
| Theoretical coverage: | 14 m² per litre for 20 microns DFT |
| Gloss: | Semi- Matt Finish |

## PRODUCT CODES AND DESCRIPTIONS

| Selemix Code | Short Code | Product Description | Packsize | |
|---|---|---|---|---|
| 7-502/E4.5K | 7-502 | 2K PU Primer for Plastics | 4.5 | Kg |
| 1.959.5080/E1 | 9-080 | Acrylic Hardener | 1 | Lt |
| 1.959.5080/E5 | 9-080 | Acrylic Hardener | 5 | Lt |
| 1.991.1480/E5 | 1-480 | Direct PUR Thinner | 5 | Lt |
| 1-402/E5 | 1-402 | Thinner for Polypropylene | 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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