

## TECHNICAL DATASHEET

Issue date:  
 March 2021

# SELEMIX® 2K ACRYLIC TOPCOAT 7-110

### PRODUCT DESCRIPTION

*Selemix 7-110 2K Acrylic Topcoat* is a 2-pack Acrylic finish for solid colours and single-layer metallic finishes.

It is compatible with Selemix Epoxy and Polyurethane primers, giving a durable and hard wearing paint system. With the Selemix PUR Primer 2.705.0500, the same hardener and thinner can be used in both primer and topcoat, giving a very simple and efficient process. It has a high gloss finish with good durability and UV stability. 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 durable, high gloss finish is required.

### PRODUCTS

7-110            *Selemix 2K Acrylic Topcoat*  
 NPxx            *Selemix NP Tinters*

**Hardener:**

9-080            Acrylic Hardener

**Thinners:**

1-430            Acrylic Thinner  
 1-470            Slow 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

Thoroughly mix paint before activating and check colour before use

|   | Features  | Conventional                  | Air-Assisted Airless            |
|---|---|-------------------------------|---------------------------------|
|  | <b>By Weight:</b><br>7-110 Topcoat<br>9-080 Hardener<br>1-430/1-470 Thinner | 1000<br>500<br>100 - 150      | 1000<br>500<br>50 - 70          |
|  | <b>By Volume:</b><br>7-110 Topcoat<br>9-080 Hardener<br>1-430/1-470 Thinner | 5<br>3<br>0.7 – 1<br>(15-20%) | 5<br>3<br>0.5 – 0.7<br>(10-15%) |
|  | Viscosity (at 20°C):<br>Pot Life (at 20°C):                                 | 16-18 secs DIN4<br>2 hours    | 18-24 secs DIN4<br>2 hours      |

## APPLICATION

|   | Features                 | Conventional   | Air-Assisted Airless                      |
|---|--------------------------|--|---|
|  | Spraygun setup:          | Nozzle:<br>Gravity: 1.3-1.4mm<br>Suction: 1.6-1.8mm<br>Pressure feed: 0.85-1.2mm | Nozzle: 9-11 thou<br>0.23-0.28mm          |
|   | Air Pressure:            | HVLP: 2 Bar<br>Standard: 2-3 Bar   | 2.5 Bar                                   |
|   | Fluid Pressure:          | N/A  | 80-100 Bar                                |
|  | Number of coats:         | 2  | 2   |
|   | Flash-off between coats: | 10 mins  | 10 mins                                   |
|  | Drying:                  | Air dry or bake at<br>60°C for 30-40 mins  | Air dry or bake at<br>60°C for 30-40 mins |
|   | Flash-off before bake:   | 10 mins  | 10 mins                                   |
|   | Wet Film Thickness:      | 100-125 microns  | 100-125 microns                           |
|   | Dry Film Thickness:      | 40-50 microns  | 40-50 microns                             |

## DRYING TIMES



at 20°C

|  |   |
|--|---|
| Dust Free:   | 10 mins   |
| Touch Free:  | 1-2 hours   |
| Tape Free:   | 6-12 hours  |
| Handleable:  | 4-5 hours   |
| Hard Dry:  | 24 hours or after bake  |
| Overcoating time:  | Minimum: when Hard Dry<br>Maximum: 24 hours by itself without sanding |
| Lower temperature or film thickness higher than 50µm<br>will extend drying times |   |

## TECHNICAL DATA

|   |  |
|---|--|
| Based on ready-for-use mixed paint including thinner: |  |
| VOC (g/L):  | 495-541 g/L (depending on colour and dilution) |
| Solid content (weight):                               | 47-58 %  |
| Solid content (volume):                               | 37-42 %  |
| Solvent content (weight):                             | 42-53 %  |
| Specific gravity (Ready for use)                      | 1.01-1.17Kg/L                                  |
| Theoretical coverage:                                 | 9-10 m <sup>2</sup> /L at 40 microns DFT       |
| Gloss:  | High Gloss                                     |

## PRODUCT CODES AND DESCRIPTIONS

| Selemix Code     | Short Code | Product Description | Packsize |    |
|------------------|------------|---------------------|----------|----|
| 1.771.1000/E2.5K | 7-110      | Acrylic Topcoat     | 2.5      | Kg |
| 1.771.1000/E10K  | 7-110      | Acrylic Topcoat     | 10       | Kg |
| 1.959.5080/E1    | 9-080      | Acrylic Hardener    | 1        | Lt |
| 1.959.5080/E5    | 9-080      | Acrylic Hardener    | 5        | Lt |
| 1.911.4430/E1    | 1-430      | Acrylic Thinner     | 1        | Lt |
| 1.911.4430/E5    | 1-430      | Acrylic 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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