

## TECHNICAL DATASHEET

Issue date:  
Feb 2020

# SELEMIX<sup>®</sup> 2K ACRYLIC UHS TOPCOAT 7-120

## PRODUCT DESCRIPTION

*Selemix* 7-120 2K Acrylic UHS Topcoat is a 2-pack Acrylic finish for solid colours and single-layer metallic finishes. It has a high solids and a low VOC.

It is compatible with *Selemix* Epoxy and Polyurethane primers, giving a very durable and hard wearing paint system. It has a very high gloss finish, and excellent durability and UV stability.

It is suitable for the coating of machinery, agricultural and construction equipment, and many other industrial painting applications where a highly durable, high gloss finish is required.

## PRODUCTS

7-120                    *Selemix* 2K Acrylic UHS Topcoat  
 NPxx                    *Selemix* NP Tinters

### Hardeners:

9-120                    UHS Acrylic Fast Hardener  
 9-130                    UHS Acrylic Extra Fast 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                    |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
|  | <b>By Weight:</b><br>7-120 Topcoat<br>9-120 / 9-130 Hardener<br>1-430 / 1-470 Thinner | 1000<br>500<br>100 - 150        |
|  | <b>By Volume:</b><br>7-120 Topcoat<br>9-120 / 9-130 Hardener<br>1-430 / 1-470 Thinner | 2<br>1<br>0.2 – 0.3<br>(10-15%) |
|  | Viscosity (at 20°C):<br>Pot Life (at 20°C):                                           | 20-23 secs DIN4<br>2 hours      |

## APPLICATION

|                                                                                     | Features                                                                            | Conventional                                                                                                                    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|  | Spraygun setup:<br><br>Air Pressure:<br>Fluid Pressure:                             | Nozzle:<br>Gravity: 1.3-1.4mm<br>Suction: 1.6-1.8mm<br>Pressure feed: 0.85-1.2mm<br><br>HVLP: 2 Bar<br>Standard: 2-3 Bar<br>N/A |
|  | Number of coats:<br>Flash-off between coats:                                        | 2 (1 light + 1 full coat)<br>15-20 mins                                                                                         |
|  | Drying:<br><br>Flash-off before bake:<br>Wet Film Thickness:<br>Dry Film Thickness: | Air dry or bake at<br>60°C for 30-40 mins<br><br>10 mins<br>90-100 microns<br>50 microns                                        |

## DRYING TIMES



at 20°C

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Dust Free:       | 20 mins                                                               |
| Touch Free:      | 1-2 hours                                                             |
| Tape Free:       | 10-16 hours                                                           |
| Handleable:      | 5-6 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 will extend drying times

## TECHNICAL DATA

Based on ready-for-use mixed paint including thinner:

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| VOC (g/L):                       | 404-421 g/L (depending on colour and dilution) |
| Solid content (weight):          | 59-63 %                                        |
| Solid content (volume):          | 53-55 %                                        |
| Solvent content (weight):        | 37-41 %                                        |
| Specific gravity (Ready for use) | 1.03-1.13 Kg/L                                 |
| Theoretical coverage:            | 10-11 m <sup>2</sup> /L at 50 microns DFT      |
| Gloss:                           | High Gloss                                     |

## PRODUCT CODES AND DESCRIPTIONS

| Selemix Code    | Short Code | Product Description             | Packsize |    |
|-----------------|------------|---------------------------------|----------|----|
| 1.771.2000/E3K  | 7-120      | Acrylic UHS Topcoat             | 3        | Kg |
| 1.771.2000/E12K | 7-120      | Acrylic UHS Topcoat             | 12       | Kg |
| 1.959.5120/E5   | 9-120      | UHS Acrylic Fast Hardener       | 5        | Lt |
| 1.959.5120/E25  | 9-120      | UHS Acrylic Fast Hardener       | 25       | Lt |
| 1.959.5130/E5   | 9-130      | UHS Acrylic Extra Fast Hardener | 5        | Lt |
| 1.911.4430/E1   | 1-430      | Acrylic Thinner                 | 1        | Lt |
| 1.911.4430/E5   | 1-430      | Acrylic Thinner                 | 5        | Lt |
| 1.911.4430/E25  | 1-430      | Acrylic Thinner                 | 25       | Lt |
| 1.991.1470/E5   | 1-470      | Slow Direct Thinner             | 5        | Lt |
| 1.991.1470/E200 | 1-470      | Slow Direct Thinner             | 200      | Lt |

## HEALTH AND SAFETY

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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

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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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