

# TECHINICAL DATA SHEET

## SOL-AR™ Architectural Fluoropolymer - L-Series

|                                                   |                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>System:</b>                                    | Sol-ar™                                                                                                                                                                                                                                                                                                                            |
| <b>Application Method:</b>                        | Electrostatic gun (manual/automatic)                                                                                                                                                                                                                                                                                               |
| <b>Appearance:</b>                                | Smooth finish, good flow (+ Sandtex finish)                                                                                                                                                                                                                                                                                        |
| <b>Gloss:</b>                                     | 15 - 75° units on 60 ° gloss meter                                                                                                                                                                                                                                                                                                 |
| <b>Specific Gravity:</b>                          | 1.2 – 1.7                                                                                                                                                                                                                                                                                                                          |
| <b>Coverage:</b>                                  | 115 – 160 sqft/lb/1mil (depending on color)                                                                                                                                                                                                                                                                                        |
| <b>Hardness:</b>                                  | Minimum H (ASTM D3363)                                                                                                                                                                                                                                                                                                             |
| <b>Color Availability:</b>                        | Wide color pallet range                                                                                                                                                                                                                                                                                                            |
| <b>Impact Resistance:</b>                         | 40 in/lb direct, 40 in/lb indirect (ASTM 2764)                                                                                                                                                                                                                                                                                     |
| <b>Electrolyte Salt Spray:</b>                    | 2,000 hrs - no failure (ASTM G85 A5 )                                                                                                                                                                                                                                                                                              |
| <b>Neutral Salt Spray:</b>                        | 4,000 hrs – no failure (ASTM B117)                                                                                                                                                                                                                                                                                                 |
| <b>Humidity:</b>                                  | 4,000 hrs – no blistering on the surface (ASTM D2247)                                                                                                                                                                                                                                                                              |
|                                                   | 8,000 hrs Xenon Arc (ASTM G155)                                                                                                                                                                                                                                                                                                    |
| <b>Weathering:</b>                                | Color change: less than $\Delta E 5.0$ (ASTM 2244)<br>Gloss retention: greater than 50% retention (ASTM D523)                                                                                                                                                                                                                      |
| <b>Curing Instructions:</b>                       | 12 minutes at 400°F (204°C) or 18 minutes at 375°F (191°C) (metal temperature)                                                                                                                                                                                                                                                     |
| <b>Heat Stability</b>                             | Up to 450°F (232°C)                                                                                                                                                                                                                                                                                                                |
| <b>Features:</b><br>(Contributes to LEED credits) | <ul style="list-style-type: none"><li>• Meets AAMA 2605</li><li>• Good mar and abrasion resistance</li><li>• Excellent chemical resistance</li><li>• Color and over-bake stability</li><li>• Good physical and mechanical properties</li><li>• Extended outdoor durability</li><li>• (Moderate) anti-graffiti properties</li></ul> |
| <b>Recommended Film Thickness:</b>                | 3.0 – 5.0 mils                                                                                                                                                                                                                                                                                                                     |
| <b>Maximum Recommended Storage Temperature:</b>   | 80°F (27°C)                                                                                                                                                                                                                                                                                                                        |
| <b>Version:</b>                                   | 05/2025                                                                                                                                                                                                                                                                                                                            |



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