



# microPRIM™ (Patterned Resin Infused Metal)

## Decorative & Protective Powder Coating Technology

### Overview

MicroPRIM™ is Ligman's trademarked decorative powder coating technology that permanently infuses colors, patterns, or imagery directly into the surface of Luminaires and Poles and provides protections that standard powder coat does not offer.

### Key features:

- Anti-graffiti surface allows for easy removal of permanent markers, paints, and inks
- UV and weather resistant for outdoor protection against fading
- Scratch and abrasion resistant
- Rated for natatorium, marine, and high corrosion environments
- Design infuses into powder coat, free from peeling, flaking, or delamination
- AAMA 2605 Certified for gloss and color retention
- Thickness 75-100 µm (3-4 mils)
- Proprietary Chemistry

### Performance specification:

| Feature               | Standard/Test                  | Result                                       |
|-----------------------|--------------------------------|--|
| Adhesion              | ASTM D 3359                    | 11 parallel cuts of 1mm; no adhesion loss    |
| Hardness              | ASTM D 3363                    | Grade F Hardness; no rupture of film         |
| Impact resistance     | 18 N/m force                   | Deformation min. 3mm; no removal of coating  |
| Salt-Spray Resistance | ASTM B 117                     | No Blistering, no removal of film            |
| UV-Resistance         | AAMA 2605 10-year Florida Test | ΔE< 5; Chalking < 8                          |
| Chemical Resistance   | Acetone, MEK, Ethanol          | No gloss loss, staining, or removal of film  |
| Anti-Graffiti Test    | UNI 11246                      | All agents removed cleanly, no discoloration |

### Available Finish Categories

- Nature-Inspired: Wood grains, stone, and natural motifs
- Material-Inspired: Carbon fiber, brushed metal, concrete, rust, cork
- Colors: Ligman standard or any custom RAL/Pantone
- Custom Imagery: Logos, mascots, city branding, scenery, or digital art

(Refer to MicroPRIM™ Portfolio for ordering codes)

### Cleaning & Maintenance

- Clean with mild detergent, alcohol, or acetone. Avoid abrasive pads or strong alkali cleaners
- For graffiti: use Goof Off, ethanol, or MEK mixture (70:30 etanol/MEK)
- For deep scratches that expose the metal substrate, a paint touch-up kit is available

### Warranty

10 Year Limited Warranty covering gloss, color, adhesion, chalking, chipping, and corrosion.

