



Reduce External PIM Across Large, Flat Surfaces

PIM Shield® Mitigation Paint is a conductive acrylic polymer with enhanced elasticity, engineered to reduce external passive intermodulation (PIM) at cellular base stations. Intended for large, flat surfaces, it delivers both PIM reduction and RF attenuation in a durable, non-toxic, water-based finish built for indoor and outdoor deployments.



Proven PIM Reduction

Characterized to IEC 62037-8 (near-field, static, 700 MHz and 1900 MHz) at IM3 < -100 dBm with 2× 20W test tones. Typical PIM reduction is greater than 28 dB at one coat and greater than 47 dB at two coats.



High RF Attenuation

The conductive layer also provides RF shielding of roughly 10 dB at one coat and 17 dB at two coats across the 1–10 GHz range, supporting secure, controlled environments.



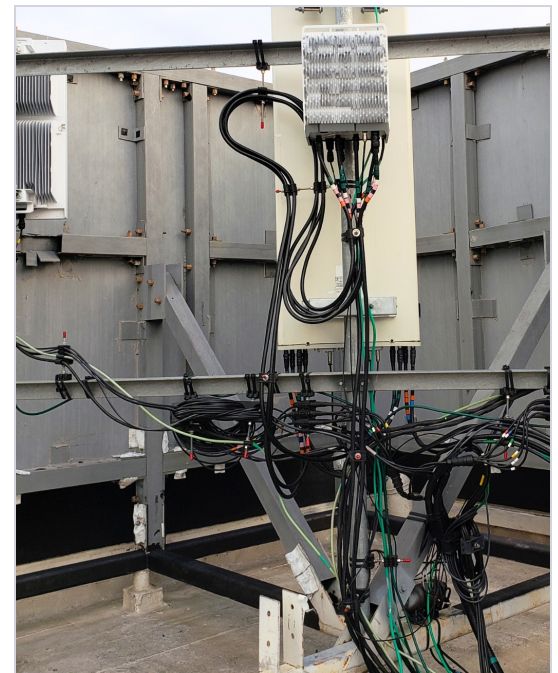
Durable, Crack-Resistant Finish

A UV-stable, water-based acrylic with enhanced elasticity (greater than 65% elongation) that resists cracking. Non-flammable, with Class A flame-spread and smoke ratings and a service range of -40°F to +158°F.



Built for Large, Flat Surfaces

Formulated for broad coverage on steel, aluminum, wood, concrete, brick, drywall, and fiberglass at 150–175 ft²/gallon on smooth surfaces. Intended for large flat areas, not direct application to antenna mounting structures.



PIM Shield® Paint applied to parapet wall along with other PIM mitigation accessories.

Product Configurations

SKU	Description	Qty.	Dimensions	Weight
901087-1	PIM Shield® Paint (1 Gallon)	4	14" x 14" x 8.5"	41 lbs.
901087-1-PKG	PIM Shield® Paint (1 Gallon, w/ protective packaging)	1	10.5" x 10.5" x 12.5"	10.5 lbs.

Specifications

Name	Description
Material	Conductive acrylic polymer, water-based
Color	Dark Gray
Finish	Flat / matte
Coverage	150–175 ft²/gallon (smooth surfaces)
Full Cure	7 days (dry to touch in 2 hours)
Service Temperature	-40°F to +158°F (-40°C to +70°C)
Fire Rating	Class A per ASTM E84 (flame spread 5, smoke developed 5)
Recommended Surfaces	Steel, aluminum, wood, concrete, brick, drywall, fiberglass