



Solar Mounts, LLC.

US Steel Galvanizing

Introduction

Solar Mounts, LLC is North America's premier provider of UL 467 & UL 2703-listed, US-sourced Solar Carports, Solar Walkways, and Ballasted/Post-Driven Solar Mounting Structures. All Solar Mounts, LLC products are AIS-certified and fully compliant with BABAA (Buy America / Buy American Act) requirements.

This specification sheet outlines the galvanizing standards and practices used by Solar Mounts, LLC in the fabrication of steel carport and ground-mount solar support structure components.

Steel Material Standards

U.S.-Made Structural Steel: All structural steel used in Solar Mounts LLC products is manufactured in the USA.

Steel Grades:

- ✓ Minimum Grade 5 steel used in structural applications.
- ✓ Select components fabricated using high-strength ASTM A588 corrosion-resistant steel when specified.

Galvanizing Specifications

Hot-Dip Galvanizing Grades:

- ✓ Posts and trusses galvanized to G185 and G235 specifications for extended corrosion resistance.
- ✓ Hot dipped galvanizing on all structural steel members.

Compliance Standards:

- ✓ All galvanizing processes conform to ASTM A123 and ASTM A653 standards.
- ✓ ASTM A588 steel, when galvanized, maintains its enhanced weathering performance.



Zinc Coating Thickness (Nominal):

- ✓ G90: ~0.90 oz/ft² total (0.45 oz/ft² per side)
- ✓ G189: ~1.89 oz/ft² total (0.945 oz/ft² per side)
- ✓ G235: ~2.35 oz/ft² total (1.175 oz/ft² per side)

Post-Galvanizing Finishes

Over-Galvanizing:

- ✓ Excess zinc buildup addressed through brushing or grinding to ensure field-fit compatibility.

Paint Over Galvanizing

- ✓ When specified, components are painted over galvanized surfaces using zinc-compatible primers or DTM coatings.

Durability and Performance

Designed for 25- to 40-year service life in extreme environmental conditions.

- ✓ Corrosion-resistant in coastal, industrial, and agricultural settings.

CONTACT INFORMATION

For general questions or for SMLLC designated sales rep, please contact:

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