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## SYSTEMSHIELD™ ENVIRONMENTAL STORAGE LIMITS

### PURPOSE

This document establishes allowable environmental conditions for the short- and long-term storage of SystemShield™ Grounding Kits. It is intended for warehouse personnel, jobsite staging coordinators, distributors, and OEM partners who manage inventory prior to installation.

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### GENERAL REQUIREMENTS

SystemShield kits contain UL-listed copper conductors, pre-crimped compression lugs, zinc-plated steel hardware, and nylon cable management. All components are sensitive to environmental exposure over time. The following limits must be observed to maintain material performance and compliance.

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### APPROVED STORAGE CONDITIONS

Parameter	Limit
Indoor Temperature Range	40°F to 95°F (4°C to 35°C)
Humidity (non-condensing)	≤ 75% RH
Direct Sunlight	Not permitted
UV Exposure	Not permitted
Liquid Exposure (water, oil, solvent)	Not permitted
Surface Contact	Must be dry, clean, and non-metallic
Storage Duration (sealed, indoor)	Up to 12 months
Storage Duration (field staged, covered)	Up to 14 days without humidity control

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### UNACCEPTABLE CONDITIONS

Kits must not be exposed to:

- Direct contact with moisture or pooling water
- Freezing and thawing cycles
- Open flame or high-temperature discharge zones
- Solvent vapors, acidic fumes, or corrosive gases

- Unprotected jobsite environments (dirt, debris, rodents)
  - Unsealed concrete floor contact for more than 48 hours
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### HARDWARE AND FASTENER LIMITS

All screws, nuts, washers, and bolts are zinc-plated steel. To protect surface finish and mechanical torque integrity:

- Do not store near chemical degreasers or high-chloride environments
  - Do not expose to outdoor air with salt or dust content
  - Use vapor-barrier storage or desiccant packs if necessary
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### PRE-CRIMPED WIRE LIMITS

- Do not stress, uncoil, or pull on wires during storage
  - Do not store in temperatures above 100°F for extended periods
  - If exposed to moisture, visually inspect for oxidation before use
  - Never attempt to re-crimp or replace factory lugs on-site
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### FIELD STAGING GUIDELINES

If kits must be stored at a jobsite:

Condition	Requirement
Duration	Maximum 14 days before install
Enclosure	Lockable, weather-sealed box or container
Elevation	Off the ground using pallet or rack
Labeling	Do not remove factory labels or documentation inserts

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### FAILURE TO MAINTAIN LIMITS

Exposure beyond the limits defined here may void product warranty or compromise compliance with UL and NEC requirements. If a kit is believed to be exposed or damaged:

1. Complete the **Packaging Damage Checklist**
2. Submit a **Defect Report Form**
3. Quarantine the kit and contact SystemShield for evaluation

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## SUPPORT

For warehouse storage planning, site staging consultations, or custom packaging solutions:

**Email:** [systemshieldgrounding@gmail.com](mailto:systemshieldgrounding@gmail.com)

**Website:** [www.systemshield.tech](http://www.systemshield.tech)

**Distributor Portal:** <https://systemshield.tech/distributor-access>