

How to deal with rust on roof cable trays



Article Overview

Addressing rust on roof cable trays involves cleaning, applying protective coatings, using corrosion-resistant materials, and implementing regular maintenance to prevent further deterioration.

Immediate Remediation

- **Inspect and Clean:** Begin by inspecting the trays for rust, pitting, or structural damage. Remove loose rust using a wire brush or sandpaper, and clean the surface with mild detergents to remove dirt and debris, avoiding harsh chemicals that could damage protective coatings .
- **Apply Protective Coatings:** After cleaning, apply a corrosion-resistant coating such as epoxy, powder coating, or PVC to create a barrier between the metal and moisture . For fasteners and joints, consider using PTFE or Dacromet coatings to prevent atmospheric corrosion .

Material Considerations

- **Stainless Steel:** Highly resistant to corrosion, ideal for harsh outdoor environments .
- **Hot-Dip Galvanized Steel:** Provides zinc protection against rust; ensure bolts and fasteners are also corrosion-resistant .
- **Aluminum or Fiberglass/Polymer Trays:** Lightweight, non-corrosive alternatives suitable for commercial or industrial roofs exposed to moisture or chemicals .

Installation and Environmental Controls

- **Proper Installation:** Ensure trays are installed with adequate ventilation and drain...

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Corrosion on cable trays.

This will result in the steel fixings rusting with the stainless panels being untouched. This can be solved either by using

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This article delves into typical troubleshooting scenarios encountered with cable tray systems, highlighting practical

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