

# Handling & Maintenance Guide

## For Insulated Metal Panels



### Handling

#### RECEIVING THE SHIPMENT

Immediately upon delivery of the insulated metal panels and accessories, crosscheck the delivered materials against the Shipper to insure a complete shipment. Any discrepancy, shortage or damage must be noted immediately on the Bill of Lading. The shipping company is responsible for delivering material in an undamaged state. If damage is observed, segregate the damaged materials. Freight claims are handled directly with the shipping company.

#### UNLOADING THE MATERIALS

Exercise extreme care when unloading insulated metal panels. The panels may be unloaded by forklift, crane or by hand. When unloading with a forklift, unload the bundles one at a time. Hard surfaces such as the forklift mast should be padded to guard against damage. Use two forklifts if unloading 2" , 2.5" & 3" panel bundles greater than 36' or 4", 5" & 6" panel bundles greater than 48'. Ensure the forks are as far apart as possible (5' minimum). Hand unloading is appropriate on smaller projects.

#### MATERIAL MOVEMENT

Use proper care in moving the insulated panels. Handle panels in a fashion that will not bend, dent, scratch and/or otherwise damage the product. Improper handling of the panels can be hazardous to the workers and can cause damage to the panels and adjacent materials. It is the installer's responsibility to ensure a safe and secure method of lifting and setting panels. Always lift panels when separating from a bundle, avoid dragging. Lift panels from the bottom face only. Do not lift the panels by the edge of the top metal face; this may cause the metal face to delaminate from the foam core. When turning or tilting the panels, place a cushioning material under the panel edge to prevent crushing or other damage. Roll the panel on the male leg only.

#### INSTALLATION

Use proper care when installing the insulated panels. During installation, examine the individual panels both before and after placement. Damage may not be readily apparent until a panel is installed. Considering the interlocking side-joint, it is vitally important to examine each previously installed panel prior to installation of the next panel. Immediately notify the manufacturer of any panel defects. Do not install defective/damaged panels.

### Storage

Store the panels in a clean, level, protected and sufficiently compacted area. Provide ventilation if the bundles are exposed to moisture; further, elevate one end of the bundle to ensure adequate runoff. Slit the stretch wrap at 5'-0" intervals along each side at the bottom of the bundles to allow for evaporation of any moisture within the bundles.

Do not stack more than two bundles high. Stack material to prevent twisting, bending, abrasion, scratching and denting. Protection must extend to open bundles as well. If left overnight, open bundles must be temporarily tarped and tied down.

- ▶ Please review USS Technical Bulletin: Storage Stain

### Strippable Film

Panels and trim are delivered with strippable film. This film is utilized to provide protection of the metal surfaces during manufacture, shipment and installation. Remove any and all strippable films either prior to or directly following installation.

Take deliberate measures to avoid exposure of the film to direct sunlight for more than 24 hours.

## Steel Debris

Immediately remove any and all steel debris including but not limited to iron fines left from cutting and/or drilling, weld splatter, nails, screws, staples, nuts, and rivet shanks.

- ▶ Please review USS Technical Bulletin: Staining of Building Panels From Steel Debris

## Corrosion

Prevent galvanic action of dissimilar metals. This includes but is not limited to any direct contact of panels and/or trim with treated lumber or copper lightning attenuation equipment or indirect contact constituted by water runoff from HVAC drain-lines, etc.

- ▶ Please review USS Technical Bulletin: Conditions Corrosive to Hot-Dip Galvanized and Galvalume® Coated Sheet Steel

## Cleaning

Keep the interior and exterior panel surfaces clean. Immediately remove dust, dirt, mud, mortar, chalk, excess sealants or any other type of foreign substance from the panel surfaces.

- ▶ Please review Sherwin Williams document: Cleaning and Maintenance Guide for Fluoropolymer Coatings
- ▶ Please review Sherwin Williams document: Cleaning and Maintenance Guide for Silicone Polyester Coatings
- ▶ Please review Sherwin Williams document: Cleaning and Maintenance Guide for Polyester Coatings
- ▶ Please review USS Technical Bulletin: Cleaning Painted Metal Buildings

## Field Painting

"Touch up" minor damage to factory applied finishes using factory approved, matching coatings provided by the manufacturer.

- ▶ Please review MCA White Paper: Application Guidelines for Field-Applied Touch-up Paint Systems on Metal Panels

