



**COATED METALS GROUP**

**SYSTEM 1000**

## **INSTALLATION GUIDELINES**

### **RECEIVING AND UNLOADING**

Unload panel crates/pallets with appropriately sized equipment to avoid damage to the panels contained within. Extended reach forklifts may be required depending on the crate/pallet size. Additional equipment may be needed if unloading with an overhead crane, or other equipment, in order to avoid damage to the product. Always use a spreader bar and slings in order to avoid crushing the crates.



Inspect all crates/pallets for any damage prior to unloading. Report any damage to the freight carrier, document the damage on the bill of lading and immediately report the damage to CMG. The receiving party must make all claims for any damage directly to the freight carrier upon receipt. CMG is not responsible for any damage after the product leaves the factory. The customer is responsible for filing a freight claim for any damage directly with the freight carrier within 24 hours of receipt. Failure to do so may result in the loss of the right to receive corrective action.

After unloading, open each crate and verify that the contents matches the attached packing list. Notify your CMG representative of any mismatches within 24 hours. Failure to do so may result in the loss of the right to receive corrective action.

### **STORAGE AND HANDLING**

Store crates/pallets in a clean and dry location, and keep them protected from all outside elements and severe conditions. Avoid storing or carrying panels in a flat orientation. Always store and move panels in a vertical position.

### **INSTALLATION**

Inspect all areas that will receive the panels and ensure that all substrates and underlying requirements are in place and that all surfaces are acceptable for proper panel installation. Do not begin installation until all conditions are acceptable.

Reference the approved shop drawings and locate the principal components for panel system alignment, such as doors, windows, corners, soffits or other items that are critical in determining joint locations. Snap chalk lines in order to ensure that all installation lines are level and plum, and conform to the layout shown on the approved shop drawings.

Remove panels from the crate and prepare for installation. Any required field modifications for penetrations, etc. should be done prior to panel installation. Panel installation is progressive, both vertically and horizontally. Ensure that all panels are oriented correctly with directional arrows facing the same direction for all mica and metallic finishes that exhibit coil-coating grain flow and paint directionality. Select a starting location in accordance with the jobsite conditions outlined above regarding panel joint location.

Align panels so the factory installed offset aluminum attachment clips are staggered and do not overlap each other. This system is designed and engineered using ¼" plastic shims at all attachment points. If the ¼" shims are not used, the panel system will not fit the structure and the installation process will become very difficult, especially as the installation progresses. It is recommended to have 1/16", 1/8" and ¼" plastic horse-shoe shims on hand in order to accommodate normal construction tolerances.

Immediately after installation, remove the protective film from the panels. Panels left with the film attached and exposed may become difficult to remove. Panels left with partially removed film may become discolored.

## **CAULKING PANEL JOINTS**

Follow sealant manufacturer's cleaning, priming and installation instructions.

## **CLEANING**

General cleaning should consist of a solution of mild detergent and water applied with a soft cloth or sponge. This solution should immediately be rinsed off of the surface with an adequate rinse of clean water. Washing the panels from top to bottom will help to minimize streaking. It is recommended that the solution be tested on a small inconspicuous area before using on a large scale. Never use an abrasive device or cleaner on the painted finish. Aluminum reacts easily to acid or alkaline and both of these should be avoided. Check the composition of the cleaning material that you are considering using to ensure that they will not discolor or soften the coating. Do not use organic based solvents such as MEK (methyl-ethyl-keron) or tri-chrome – ethylene. Both of these solvents can cause peeling of the coating.

These guidelines are intended to illustrate the general installation procedures and requirements for CMG – System 1000. Each project may vary and require special procedures or details specific to that project only. Always refer to project specific details and directions, or contact your CMG representative for assistance.