

# Dunbarton Pre-Hung Doors



## Storage and Handling

### A. RECEIVING

Upon delivery, the contractor responsible for receiving pre-hung units shall thoroughly inspect for damage. Cardboard and other wrappings shall be removed for inspection and to promote air circulation. Any scratches or disfigurements caused in shipping or handling shall be promptly cleaned and touched up with primer or finish coat. Should damaged material be found, the General Contractor has the option of refusing delivery or to accept the material as damaged. For coordination purposes, Dunbarton suggests that delivery should not be refused, but rather accepted as damaged. Any damaged items should be noted on the freight bill. Claims will not be honored by the freight carrier, unless the damaged items are noted on the freight bill at the time of delivery. The contractor shall notify building material supplier in writing immediately of any item signed for as damaged. This procedure will help to expedite the repair or replacement of the damaged items and the processing of the damage claim with the freight carrier.

### B. ON SITE STORAGE

Proper storage of pre-hung units at the construction site will help prevent damage to the primer coat or paint. Prime coated or painted steel must be protected when exposed to the elements such as high humidity, salt air, rain, snow, and/or damp wrappings etc.... Attention must, therefore, be given to steel products having a coat of factory applied primer. Primer is porous to properly receive and hold top coats. Water or moisture, in contact with primer coated steel will seep through to the steel. An electrolytic action then follows, resulting in corrosion and causing the paint film to lose adhesion. The presence of oxygen at the water-air interface behind the loosened paint film accelerates corrosive action and the prime coat further deteriorates.

***Even when zinc coated steel is used to provide corrosion resistance, manufacturers of steel door and frame products have found that one week of product exposure to water, due to improper storage, can be equivalent to at least a year of outdoor exposure to the elements.***

NOTE: Paint manufacturers advise that the primer typically used by steel door and frame manufacturers should receive a finish coat of paint within 30 days of delivery. It is the responsibility of the General Contractor to sand, touch up and clean prime painted surfaces prior to finish painting in accordance with the finish paint manufacturer's instructions. The following procedures shall always be observed in storing steel doors and frames at the job site:

1. Store all materials in a dry area, under cover. All products shall be stored where they will not be exposed to or come in contact with the elements.
2. Do not use non-vented plastic or canvas. These materials create a humidity chamber, which promotes blistering and corrosion.
3. Store doors and frames in an upright position with heads uppermost.
4. Place all material on planking or blocking at least 4 in. (100 mm) off the ground, 2 in. (50 mm) off a paved area or the floor slab.
5. Provide at least 1/4 in. (6.4 mm) space between all units to permit air circulation.



**THE  
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