

Rustic Weathering Steel

This product is produced by various steel mills around the world under the trade names of A606 Type 4, Triacor, Corten and others. It is a high strength cold rolled steel of architectural interest because after installation and exposure to normal weather the surface, in place, develops a pleasing iron oxide matte finish, which accents the appearance of any building on which it is used.

The weathering process rate that occurs after installation eventually decreases, from that point on the finish acts as a protective coating for the base metal.

Like many other architectural products with desirable features, some cautions must be exercised during installation. The roofing sheets are simple to install using the same methods as any other metal roofing sheets.

However, care must be taken that the roof drains well so that no residual moisture can be trapped between two or more overlapping sheets. If moisture is trapped, the weathering process may continue where the moisture is trapped and the reaction will not stabilize as planned. The runoff of moisture from these panels will badly stain concrete or stucco. Be careful where the run-off is directed to prevent staining. Also, the fasteners used, either nails or screws, should be of non-plated stainless steel, anodized aluminum, copper, bronze or brass. Zinc and cadmium coated items are not suitable for use in contact with Weathering Steel. Because Rollfab has no control of the installation of Weathering Steel there can be no inherent warranty. Installation methods should be discussed with your roofing contractor.

Commonly Asked Questions

How long will a Weathering Steel roof last?

According to corrosion testing a Weathering Steel roof should last two to three times as long as wood or composition shingles. Weathering Steel should not be used within a mile of the ocean. The salt spray

atmosphere will shorten the life. A continuously wet surface of Weathering Steel will corrode at an unacceptably rapid rate. Therefore, the design and detailing of the roofing and siding should allow for adequate drainage of water.

Why does Weathering Steel stop rusting?

Weathering Steel never completely stops rusting. However, the corrosion process is slowed considerably when compared to ordinary carbon steel. The fact that Weathering Steel will develop an oxide on its surface that essentially stops corrosion has been explained by laboratory analysis of the rust film. It was found that the alloying elements in the steel, particularly copper, chromium and nickel produced insoluble compounds ending the degeneration process.

Why does the water runoff from Weathering Steel stain concrete?

During the first 3 or so years of exposure, the runoff water will contain enough oxides to stain vulnerable surfaces. The runoff is not so full of rust that it is bright orange, but it will leave a black streak in the drip line on a concrete patio or wooden deck. In the design stage of your project using Weathering Steel be sure to divert water runoff from these vulnerable surfaces.

Is a Weathering Steel roof maintenance-free?

Compared to other non-metal roofing products a Weathering Steel roof requires little mtce. It won't color fade, and it won't crack or break under roof traffic. Concentrations of debris should be removed at least once a year. Trapped water or constant moisture will compromise the ability of the oxide to form properly.

What type of screws are used to install Weathering Steel panels?

Rollfab provides an un-plated 410 stainless steel fastener with a neoprene washer. These fasteners are designed to allow the life expectancy of stainless but will weather with the corten.

What panels are available with A606?

7/8" Corrugated and SL-175. Please inquire.