

Building and Construction

Roofing and Wall Tiles

A new colouring process has been used to create these attractive stainless steel roof tiles. Although they were designed for use on roofs, architects are also now using the tiles as wall coverings, replacing bricks and more expensive aluminium panel systems. The tiles offer design possibilities that are only limited by the imagination of the architect. The tiles bring variances in colour, like wood or slate, and are regarded as a natural material. Changes in viewing angles bring changes in the hue of the colour, making the façade more interesting to the viewer. The colouring process increases the chromium oxide layer of the stainless steel. It acts like a raindrop, creating a rainbow when it bends incoming light. Since the layer is clear, ultraviolet light cannot attack the organic pigments that colour the tiles, ensuring it remains the same indefinitely.



Location/environment | UNITED STATES/OUTDOOR

Product | STAINLESS STEEL COLD ROLLED SHEET

Fabrication process | STAMPING

Grade/surface | 304

Material thickness/diameter | 0.4 MM (0.015 INCHES)

Weight | 4.35 KG PER SQUARE METRE (0.9 LB PER SQUARE FOOT)

Competing material | BRICK, ALUMINIUM

Date of completion | 2008

Manufacturer | MILLENIUM TILE

Material supplier

Source of information | THYSSENKRUPP STAINLESS NORTH AMERICA

Remarks | ARCHITECT: RUFFCORN, MOTT, STINE - SEATTLE, WASHINGTON, USA.
THE STAINLESS COLOURING PROCESS LICENSED BY POLISPECTRAL, GERMANY.

23

