

October 2020

Metal Lamination Case Study



This Japan Railway covered stairway at Komoro Station in Nagano, Japan is made with roof tiles specially shaped by press machines and manufactured by Nippon Steel. Built in 1994 the pictures were taken in 2014. There are two different styles of construction in the pictures, the frontside (entrance of stairway) has ceramic tiles, while the metal rooftop of the stair corridor is laminated with Tedlar® film TCC15BL3.

The color matching of the ceramic roof tiles and the formed metal roof tiles with colored Tedlar® film have withstood two decades of exposure to harsh weather conditions found in Japan's Northern Alps, including heavy snow, without showing any signs of either corrosion, fading or wear and tear. Manufacturer partner: Nippon Steel

Area of Application: Building & Construction

Year of Construction: 1994

Location: Nagano, Japan



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