

Overview

The durability and vivid colors of porcelain have treasured for centuries. Now via technological breakthroughs we have created Tactile Porcelain Enamel Metal Cladding™ surface finishes that spark architects imagination. Iridescent metallescent, fractured, textured and super vivid colors are now part of our very large palette of finishes. Our digital ceramic technology allows architects to integrate durable photo quality graphics in large scale on building facades and interiors. Tactile Porcelain Enamel Metal Cladding™ is available in ventilated rain screen with open joints, sealed joint design and interior applications with monochromatic or contrasting joint trim.

Composition

Nominally 20 mm (3/4") to 50 mm thick (2") porcelain enamel on steel is a primarily a vitreous, inorganic coating bonded to tension leveled specialty steel by fusion at high temperature. Core materials options include aluminum honeycomb, calcium silicate board with or without backup sheets of G90 galvanized steel.

Size Parameters

Flat Panels:	1220 mm (48") X 1524 mm (60")
Corner Panels:	Flat panels with returns up to 1524 mm (60") X 152 mm (6") X 1220 mm (48") or 610 mm (24") X 610 mm (24") X 1524 mm (60")
Curved Panels:	610 mm (24") X 1524mm (60") diameter up to 1828 mm (72") X 1524 mm (60")
Column Covers:	610 mm (24") X 1524mm (60") diameter up to 1828 mm (72") X 1524 mm (60") in 2, 3 and 4 segments.
Special Shapes:	Please contact a Product Manager for curvilinear and complex shapes.

Visual Characteristics

Surface Textures:	Non-directional vitreous finish at 10 gloss units or higher. (Contact a Product Manager for higher gloss applications.)
Colors/Finishes	Solid Metallic Metallescent Iridescent Fractured Sputter Coat Digital Ceramic (see PDF of colors, contact a product manager for custom finishes)
Joint Sizes:	10 mm (3/8") up to 25 mm (1")
Exterior Cladding Systems:	Option 1: Ventilated Rainscreen with Diverters and Gutters Option 2: Closed System with Sealed Joints