



Tedlar®

Zero Maintenance Over 42 Years: Nippon Steel on the Coast

A Nippon Steel factory around one kilometer from the ocean in Japan faces relentless salt spray, humidity, and industrial pollutants—but it has been well protected from these exposures by DuPont™ Tedlar® PVF film.

Initially installed to safeguard the exterior in 1984 (phase one, galvanized steel) and 2010 (phase two, ZAM self-healing advanced steel), the metal siding panels continue to look unaged and unchanged as of July 2026.

Highlights

Product:

Tedlar® metal lamination

Location:

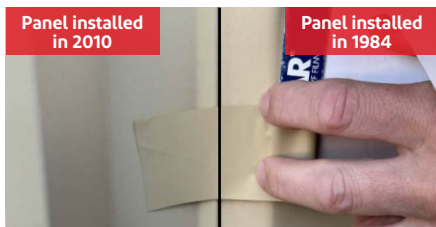
Coastal region of Japan
(~1 km from the ocean)

Completion Date:

Laminated steel panels
installed in two phases:
1984 and 2010

Partner:

Nippon Steel



Fade Resistance

Side by side on the same wall, the Tedlar®-laminated panels are identical in appearance despite being different types of steel and installed decades apart. **Plus, both panels showed no difference in color against a new, unaged Tedlar® film**—no chalking, fading, or discoloration. The 16 and 42 respective years of harsh coastal exposure is no match for the superior protection of Tedlar®.



Corrosion Resistance

After enduring decades of coastal and industrial conditions, the steel bolts on the panels displayed visible corrosion and rust streaks. Meanwhile, the cut edges, typically the most vulnerable point of a panel, show no signs of corrosion on either side of the Tedlar® laminated facade.

No matter the substrate nor the extreme marine and chemical exposure, this facility's Tedlar®-laminated panels needed zero replacements or recoating. Tedlar® film works hard to stand the test of time. Plus, it's inherently non-PFAS and made without the use of PFAS materials, providing both sustainability and durability.