

MULTILAYER PROTECTED SHEET

Ondulit Multilayer Technology

BOTTOM
ALUMINIUM LAYER

PRIMER

GALVANIZED
STEEL

THERMOPLASTIC
COMPOUND

TOP ALUMINIUM
LAYER



DURABILITY

The multilayer technology ensures high performance, particularly in industrial spaces, and offers exceptional resistance in highly corrosive environments such as marine and urban areas.



THERMAL COMFORT

In highly sunny areas and during summer, the multilayer technology, with just 2,4 mm thickness, provides thermal insulation equivalent to a 40 mm thick panel.



ACOUSTIC COMFORT

Ondulit solutions absorb the impact of rain and hail, eliminating the typical drumming noise of metal roofing.



RESISTANCE

The steel core and special multilayer construction give Ondulit solutions high mechanical strength. The roofs are highly load-resistant, making them ideal for areas prone to strong winds and hurricanes.



SUSTAINABILITY

The multilayer technology enables significant energy savings and mitigates the heat island effect. Ondulit solutions have a long lifespan and a cost-effective lifecycle.

LABORATORY TESTS

DURABILITY

Corrosion resistance in salt spray: 4000 hours (ISO 9227)

Humidity resistance: 3000 hours (EN ISO 6270-1)

Resistance to sulfur dioxide: 45 cycles (EN ISO 6988)

Accelerated aging resistance: 2000 hours (ASTM G155)

FIRE PERFORMANCE

Reaction to fire:

Class B-s1, d0 (UNI EN 13501-1; EN 13823; EN ISO 11925-2)

External fire behavior:

Class B Roof T3 (UNI EN 13501-5; UNI CEN/TS 1187)

ACOUSTIC COMFORT

Sound insulation: 28 dB (UNI EN ISO 10140-2:2010)

Rain noise sound attenuation: ISTEDIL Certificate 1302-3: Up to 8.41 times greater than a 0.7 mm aluminum sheet and up to 4.17 times greater than a sandwich panel with 40 mm insulation – 52.3 dB (UNI EN ISO 140-18)

THERMAL COMFORT

Permissible thermal range: -30 / +80°C

Solar Reflectance Index (SRI): (ASTM E1980-11)

Light Colors: > 65% - Dark Colors: > 30%

ENVIRONMENTAL SUSTAINABILITY

Remade in Italy certification for the absence of hazardous substances and recycled raw material content

Sheets

The multilayer sheets, an exclusive technology by Ondulit, meet various design needs. Suitable for any type of construction, they can be either flat or curved.

Available in four different profiles and various finishings, they are versatile and seamlessly integrable into any landscape and environmental context.

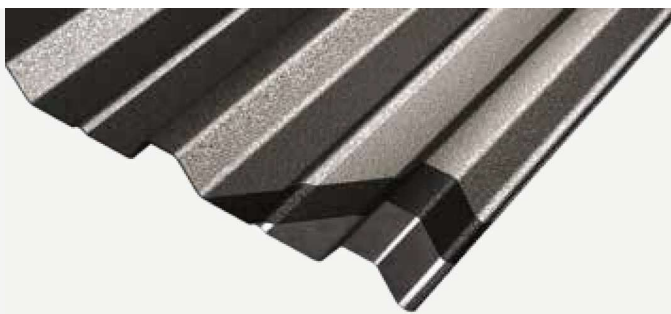
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COVERTILE



COVERIB 850



COVERIB 1000

