

Solano[®] Nature

free of chromates[®]
 Inspired by Nature
 and heavy metals

Properties

- Very good corrosion resistance
- Very good formability
- Excellent abrasion resistance
- Phthalate-free
- Surface treatment and paint: free of hexavalent chromium and heavy metals

Applications

External uses: construction (cladding, roofing)

Description

Thickness ⁽¹⁾	200 microns
Composition	Front: 200 microns of finish Back: 5, 7, 10 or 12 microns backing coat Double-side finish available (please contact us)
Colours	Colour palette Specific colours on request
Appearance	Embossed (leathergrain) Smooth (please contact us)

Performance

Adhesion of the coating (T-bend)	≤ 0.5 T
Resistance to cracking on bending (T-bend)	≤ 1.5 T
Impact resistance	Very good
Clemen scratch resistance	3.5 kg
Corrosion resistance: • Salt spray test • Corrosion resistance category	1000 hours RC5
Condensation resistance (QCT)	1500 hours
UV resistance: • QUV (UVA + H ₂ O) test (2000 hours) • UV resistance category	ΔE ≤ 3; GR ≥ 50% RUV3
Resistance to acids	Medium
Resistance to bases	Good
Resistance to solvents: • Aliphatics • Ketones • Aromatics	Very good Low Good to very good
Resistance to mineral oils	Very good
Fire behaviour classification	Cs2d0

Remarks

These performance characteristics refer specifically to metallic coating Z225 (guaranteed minimum).
 If any product (film, oil, foam, glue, paint etc) is to be applied after coil delivery, compatibility with the coating needs to be checked first.
 Although we take great care to reproduce the same aesthetic aspect on each coil, ArcelorMittal cannot guarantee the visual consistency from one batch to another. Consequently, you need to consider placing one single order for one building; standard samples can only serve as a guide.

(1) Nominal value, tolerance according to EN 10169