



Granite[®] Silky Shine 50 microns

Inspired by Nature



Properties

- Good formability
- Good UV resistance
- RC4 corrosion resistance
- Surface treatment and paint: free of hexavalent chromium and heavy metals

Applications

Attractive top-of-the-range coating for outdoor applications: corrugated profiles, sandwich panels, cassettes etc

Description

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|------------------------------------|--|
| Thickness ⁽¹⁾ | 50 microns |
| Composition | Front: 15 microns primer + 35 microns top coat Back: minimum 10 microns high-gloss backing coat Single-side finish |
| Gloss (Gardner 60°) ⁽¹⁾ | > 80 GU |
| Colours | Dedicated colour palette of attractive colours |
| Appearance | Smooth and shiny |
| Temporary protection (recommended) | Self-adhesive film |

Performance

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|--|--------------------------|
| Adhesion of the coating (T-bend) | ≤ 1 T |
| Resistance to cracking on bending (T-bend) | ≤ 3 T |
| Impact resistance | 18 J |
| Clemen scratch resistance | ≥ 2.5 kg |
| Corrosion resistance: • Salt spray test • Corrosion resistance category | 500 hours RC4 |
| Condensation resistance (QCT) | 1500 hours |
| UV resistance: • QUV (UVA + H ₂ O) test (2000 hours) • UV resistance category | ΔE ≤ 2; GR ≥ 80% RUV5 |
| Resistance to acids and bases | Very good |
| Resistance to detergents | Very good |
| Resistance to solvents | Very good |

Automatic guarantee

- Non-perforation of the sheet metal ≤ 20 years, depending on the external environment
- Non-delamination of the paint ≤ 20 years, depending on the external environment
- Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%) ≤ 5 years, depending on the geographical location and the paint colour category

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