

Granite[®] HD

| Gr | anite® HD | | guarantee 10 years free of chromates and heavy metals |
|------------------------|--|---|--|
| Properties | Good UV resistance Good corrosion resistance Good formability Thermosetting paint Surface treatment and paint: free of hexavalent classical contents and paint. | hromium and heavy metals | |
| Applications | External uses: construction (cladding, roofing and accessories, insulated panels) | | |
| Description | Thickness ⁽¹⁾ | 25 microns | |
| | Composition | Front: 5 microns primer + 20 microns Back: 5, 7, 10 or 12 microns backing c Double-side finish available | |
| | Gloss (Gardner 60°) ⁽¹⁾ | 30 GU Other gloss levels on request | |
| | Colours | Colour palette Other colours on request | |
| | Appearance | Smooth, grained | |
| | Temporary protection (optional) | Self-adhesive film or heat-sealed film | on smooth coating |
| Performance | Adhesion of the coating (T-bend) | ≤1T | |
| | Resistance to cracking on bending (T-bend) | ≤2⊤ | |
| | Impact resistance | 18 J | |
| | Surface "pencil" hardness | HB to H | |
| | Clemen scratch resistance | ≥ 2 kg | |
| | Corrosion resistance: Salt spray test Corrosion resistance category | 360 hours RC3 | |
| | Condensation resistance (QCT) | 1000 hours | |
| | UV resistance: • QUV (UVA + H ₂ O) test (2000 hours) • UV resistance category | ΔE ≤ 3; GR ≥ 60% RUV3 | |
| | Fire behaviour classification (EN 13501-1) | A1 | |
| | Resistance to acids and bases | Good to very good | |
| | Resistance to solvents:Aliphatics and alcoholsKetonesAromatics | Very good Low Good to very good | |
| | Resistance to mineral oils | Very good | |
| | Maximum continuous operating temperature | 100°C | |
| Automatic guarantee | Non-perforation of the sheet metal Non-delamination of the paint Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 50) | ≤ 10 years, depending on the external ≤ 10 years, depending on the external %) ≤ 5 years, depending on the geograph | environment |
| Remarks | These performance characteristics refer specifically to metallic coating Z225 and Optigal [®] ZM100 (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 single order item 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 | | |