



Granite[®] HDS

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| Properties | Thermosetting paint | <ul style="list-style-type: none"> • Very good UV resistance • Very good corrosion resistance • Very good formability |
| Applications | External uses: construction (cladding, roofing and accessories) | |
| Description | Thickness | 35 microns |
| | Composition | Front: 15 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available |
| | Gloss (Gardner 60°) | 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) | ≤ 1 T |
| | Resistance to cracking on bending (T-bend) | ≤ 2 T |
| | Impact resistance | 18 J |
| | Surface "pencil" hardness | HB to H |
| | Clemen scratch resistance | ≥ 2.2 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% RUV4 |
| | Fire behaviour classification: • France CSTB • NF EN 13501-1 | M0 A1 |
| | Resistance to acids and bases | Good to very good |
| | Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics | Very good Low Good to very good |
| | Resistance to mineral oils | Very good |
| Automatic guarantee | <p>Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce</p> <ul style="list-style-type: none"> • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%) | |
| | | <ul style="list-style-type: none"> ≤ 15 years, depending on the external environment ≤ 15 years, depending on the external environment ≤ 5 years, depending on the geographic location and on the paint colour category |
| Remarks | <p>These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.</p> | |