

Granite[®] HDX Robust

Properties

- Excellent surface robustness
- Excellent corrosion resistance
- Very good UV resistance
- Very good formability
- Thermosetting paint
- Surface treatment and paint: free of hexavalent chromium and heavy metals

Applications

External uses in severe environments: profiles, sandwich panels for roofing and cladding

Description

Thickness ⁽¹⁾	60 microns
Composition	Front: primer + base coat + varnish Back: 12 microns backing coat recommended
Gloss (Gardner 60°) ⁽¹⁾	30 GU Other gloss levels on request
Colours	Colour palette Specific colours on request
Appearance	Grained
Temporary protective film	Generally not required

Performance

Adhesion of the coating (T-bend)	≤ 1 T
Resistance to cracking on bending (T-bend)	≤ 2 T
Impact resistance	18 J
Clemen scratch resistance	≥ 3.5 kg
Corrosion resistance:	
• Salt spray test	700 hours
• Corrosion resistance category	RC5+
Condensation resistance:	
• QCT test	1500 hours
• Corrosion resistance category	CPI4
UV resistance:	
• QUV (UVA + H ₂ O) test (4000 hours)	ΔE ≤ 2; GR ≥ 80%
• UV resistance category	RUV5
Fire behaviour classification (EN 13501-1)	A1
Resistance to acids and bases	Good to very good
Resistance to solvents:	
• Aliphatics and alcohols	Very good
• Ketones	Low
• Aromatics	Good to very good
Resistance to mineral oils	Very good
Maximum continuous operating temperature	100°C

Remarks

These performance characteristics refer specifically to metallic coating ZM120 (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