

Granite[®] HDS

guarantee **20** years
 free of chromates and heavy metals

- Properties**
- Very good UV resistance
 - Very good corrosion resistance
 - Very good formability
 - Thermosetting paint
 - Surface treatment and paint: free of hexavalent chromium and heavy metals

Applications External uses: construction (cladding, roofing and accessories)

Description	Thickness ⁽¹⁾	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°) ⁽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)	≤ 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	500 hours
	• Corrosion resistance category	RC4
	Condensation resistance (QCT)	1500 hours
	UV resistance:	
	• QUV (UVA + H ₂ O) test (2000 hours)	ΔE ≤ 2; GR ≥ 80%
	• UV resistance category	RUV4
	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	

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 geographic location and the paint colour category

Remarks These performance characteristics refer specifically to metallic coating Z225 and Optigal[®] 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