

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		