

Granite[®] Ultramat

guarantee 20 years
free of chromates and heavy metals

Properties	• Matt and wrinkled aesthetic appearance • Good formability at low temperature down to 10°C and after cold storage • Scratch-resistant surface • Improved fretting resistance for transportation of ready-made products • Thermosetting paint • Surface treatment and paint: free of hexavalent chromium and heavy metals	
Applications	External building and general industry applications: tiles, cladding etc	
Description	Thickness ⁽¹⁾	35 microns
	Composition	Front: 10 microns primer + 25 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°) ⁽¹⁾	Maximum 5 GU
	Colours	Specific colour palette
	Appearance	With a rough wrinkle
	Temporary protection (optional)	Strippable films are usually not suitable for wrinkled surfaces
Performance	Adhesion of the coating (T-bend):	
	• 20°C	≤ 1 T
	• 10°C	≤ 1 T
	Resistance to cracking on bending (T-bend):	
	• 20°C	≤ 2 T
	• 10°C	≤ 2 T
	Resistance to cracking (T-bend) after 60 days at -15°C	2 T
	Impact resistance	18 J
	Clemen scratch resistance	≥ 2 kg
	Corrosion resistance:	
	• Salt spray test	360 hours
	• Corrosion resistance category	RC4
	Condensation resistance (QCT)	1000 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
	Resistance to solvents:	
	• Aliphatics and alcohols	Very good
	• Ketones	Low
	• Aromatics	Good to 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	≤ 15 years, depending on the external environment
	• Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 60%)	Maximum 10 years on colour retention, depending on the geographic location and the paint colour category
Remarks	These performance characteristics refer specifically to an improved metallic coating Optigal[®] ZM120 and a zinc equivalent steel substrate (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