

Granite[®] Flex 25 microns

guarantee **15** years
free of chromates and heavy metals

Properties	<ul style="list-style-type: none"> • Very good formability and profiling • Thermosetting paint • Surface treatment and paint: free of hexavalent chromium and heavy metals 	
Applications	External building and general industry applications that require high flexibility during deformation: tiles, HVAC, purlins etc	
Description	Thickness ⁽¹⁾	25 microns
	Composition	Front: 5 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°) ⁽¹⁾	Usual: 30 GU Other gloss levels on request
	Colours	Specific 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)	≤ 0.5 T for steel thicknesses ≤ 1.5 mm
	Resistance to cracking on bending (T-bend)	≤ 1 T for steel thicknesses ≤ 1.5 mm ≤ 1.5 T for steel thicknesses > 1.5 mm (conic bend)
	Impact resistance	18 J for steel thicknesses ≤ 1.5 mm
	Resistance on deformed parts: Marciniak test	≤ 1C1 for steel thicknesses ≤ 1.5 mm
	Clemen scratch resistance	≥ 2 kg
	Corrosion resistance:	
	• Salt spray test	360 hours
	• Corrosion resistance category	RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance:	
	• QUV (UVA + H ₂ O) test (2000 hours)	ΔE ≤ 5; GR ≥ 30%
	• UV resistance category	RUV2
	Resistance to acids and bases	Good to very good
	Resistance to solvents:	
	• Aliphatics and alcohols	Very good
	• Ketones	Low
	• Aromatics	Good
	Resistance to mineral oils	Very good
Automatic guarantee	• Non-perforation of the sheet metal	≤ 15 years, depending on the external environment
	• Non-delamination of the paint	≤ 15 years, depending on the external environment
	• Aesthetic appearance (ΔE ≤ 5; Gloss retention ≥ 30%)	≤ 5 years, depending on the geographic location and the paint colour category
Remarks	<p>These performance characteristics refer specifically to metallic coating Z225 (guaranteed minimum) or equivalent. 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.</p>	

(1) Nominal value, tolerance according to EN 10169