

Granite<sup>®</sup> HDS

Properties	Thermosetting paint		<ul style="list-style-type: none"><li>• Very good UV resistance</li><li>• Very good corrosion resistance</li><li>• Very good formability</li></ul>	
Applications	External uses: construction (cladding, roofing and accessories)			
Description	Thickness	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°)	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: <ul style="list-style-type: none"><li>• Salt spray test</li><li>• Corrosion resistance category</li></ul>	500 hours RC4		
	Condensation resistance (QCT)	1500 hours		
	UV resistance: <ul style="list-style-type: none"><li>• QUV (UVA + H<sub>2</sub>O) test (2000 hours)</li><li>• UV resistance category</li></ul>	ΔE ≤ 2; GR ≥ 80% RUV4		
	Fire behaviour classification: <ul style="list-style-type: none"><li>• France CSTB</li><li>• NF EN 13501-1</li></ul>	M0 A1		
	Resistance to acids and bases	Good to very good		
	Resistance to solvents: <ul style="list-style-type: none"><li>• Aliphatics and alcohols</li><li>• Ketones</li><li>• Aromatics</li></ul>	Very good Low Good to very good		
	Resistance to mineral oils	Very good		
	Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on <a href="http://www.arcelormittal.com/fce">www.arcelormittal.com/fce</a> <ul style="list-style-type: none"><li>• Non-perforation of the sheet metal</li><li>• Non-delamination of the paint</li><li>• Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%)</li></ul>		<ul style="list-style-type: none"><li>≤ 15 years, depending on the external environment</li><li>≤ 15 years, depending on the external environment</li><li>≤ 5 years, depending on the geographic location and on the paint colour category</li></ul>
	Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.		