

Granite[®] HDX

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Very good UV resistance • Excellent corrosion resistance • Very good formability • Robust coating
Applications	External uses in severe environments: profiles, sandwich panels for roofing and cladding, building materials (tiles, guttering etc)	
Description	Thickness	55 microns
	Composition	Front: 25 microns primer + 30 microns top coat Back: 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	Grained
	Temporary protection (optional)	Not applicable
Performance	Adhesion of the coating (T-bend)	≤ 1 T
	Resistance to cracking on bending (T-bend)	≤ 1.5 T
	Impact resistance	18 J
	Surface "pencil" hardness	F to H
	Clemen scratch resistance	≥ 3 kg
	Corrosion resistance: • Salt spray test • Corrosion resistance category	700 hours RC5
	Condensation resistance (QCT)	1500 hours
	UV resistance: • QUV (UVA + H ₂ O) test (2000 hours) • UV resistance category	ΔE ≤ 2; GR ≥ 80% RUV4
	Fire behaviour classification: • France CSTB • NF EN 13501-1	M0 A1 for colour class 1 to 4, A2 for metallic colour class 5
	Resistance to acids and bases	Good to very good
	Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	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 www.arcelormittal.com/fce	<ul style="list-style-type: none"> • Non-perforation of the sheet metal ≤ 30 years, depending on the external environment • Non-delamination of the paint ≤ 30 years, depending on the external environment • Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%) ≤ 5 years, depending on the geographic location and on the paint colour category
Remarks	These performance characteristics refer specifically to metal coating Z275 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	