



Granite[®] Flex

Properties	Thermosetting paint	Very good formability during deep drawing and profiling
Applications	External building and general industry applications that require high flexibility during deformation: tiles, HEVAC etc	
Description	Thickness	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°)	Usual: 10-80 GU
	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)
Resistance to cracking on bending (T-bend)		≤ 1 T*
Impact resistance		18 J
Resistance on deformed parts: Marciniak test		< 1C1
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 ≤ 5; GR ≥ 30% RUV2
Resistance to acids and bases		Good to very good
Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics		Very good Low 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 • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 5; Gloss retention ≥ 30%)
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.	

* Data valid for a steel thickness ≤ 1.5 mm