

Granite[®] HFX Cool

guarantee 20 years
 after prior agreement
 free of chromates and heavy metals

- Properties**
- Good formability at low temperature down to -10°C
 - Excellent corrosion resistance
 - Very good UV resistance
 - Scratch-resistant surface
 - Thermosetting paint
 - Surface treatment and paint: free of hexavalent chromium and heavy metals

Applications Granite[®] HFX Cool is recommended for use at low temperature in the cold environments encountered in Northern and Eastern Europe. Its main applications are for constructing standing seam roofs and accessories.

Description	Thickness ⁽¹⁾	Satin: 55 microns
	Composition	Front: Satin: 25 microns primer + 30 microns top coat Back: 7, 10 or 12 microns backing coat Single-side finish
	Gloss (Gardner 60°) ⁽¹⁾	Satin: 40 GU Other gloss levels on request
	Colours	Specific colour palette
	Appearance	Grained
	Temporary protection (optional)	Not applicable

Performance	Adhesion of the coating (T-bend):	
	• 20°C	≤ 1 T
	• 10°C	≤ 1 T
	• 0°C	≤ 1.5 T
	Resistance to cracking on bending (T-bend):	
	• 20°C	≤ 1 T
	• 10°C	≤ 3.5 T
	• 0°C	≤ 3.5 T
	Impact resistance	18 J
	Clemen scratch resistance	≥ 3 kg
	Corrosion resistance:	
	• Salt spray test	700 hours
	• Corrosion resistance category	RC5
	Condensation resistance (QCT)	1500 hours
	UV resistance:	
	• QUV (UVA + H ₂ O) test (2000 hours)	ΔE ≤ 3; Gloss retention ≥ 60%
	• UV resistance category	RUV3
	Fire behaviour classification (EN 13501-1)	A1
	Resistance to acids and bases	Good to very good
	Resistance to solvents:	
	• Aliphatics and alcohols	Very good
	• Ketones	Low
	• Aromatics	Good to very good
	Resistance to mineral oils	Very good
	Maximum continuous operating temperature	100°C

Remarks These performance characteristics refer specifically to metallic coating Z275 (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