



# Granite<sup>®</sup> HFX Cool

Inspired by Nature



## 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<sup>®</sup> 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 <sup>(1)</sup>	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°) <sup>(1)</sup>	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 <sub>2</sub> 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

## 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 batch 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