



## Granite® HDX



## Properties

- Very good UV resistance
- Excellent corrosion resistance
- Very good formability
- Robust coating
- Thermosetting paint
- Surface treatment and paint: free of hexavalent chromium and heavy metals

## 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
Clemen scratch resistance	≥ 3 kg
Corrosion resistance: • Salt spray test • Corrosion resistance category	700 hours RC5
Condensation resistance: • QCT test • Corrosion protection (interior) category	1500 hours CPI4
UV resistance: • QUV (UVA + H <sub>2</sub> O) test (2000 hours) • UV resistance category	ΔE ≤ 2; GR ≥ 80% RUV4
Fire behaviour classification (EN 13501-1)	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 "Granite® Automatic Guarantee" in the product document centre at <a href="http://www.arcelormittal.com/industry">www.arcelormittal.com/industry</a>	
• 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 the paint colour category

## Remarks

These performance characteristics refer specifically to metallic coating Z225 (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.