

Granite® PVDF 35 microns

guarantee **20** years
 free of chromates and heavy metals

- Properties**
- Excellent colour and appearance stability
 - Good corrosion resistance
 - Excellent chemical resistance
 - Thermoplastic paint
 - Surface treatment and paint: free of hexavalent chromium and heavy metals

Applications External uses: architectural buildings, buildings in aggressive environments

Description	Thickness ⁽¹⁾	35 microns
	Composition	Front: 15 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°) ⁽¹⁾	30 GU Other gloss levels on request
	Colours	Specific colours on request
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
	Performance	Adhesion of the coating (T-bend)
Resistance to cracking on bending (T-bend)		≤ 2 T
Impact resistance		18 J
Surface "pencil" hardness		HB to H
Clemen scratch resistance		≥ 2 kg
Corrosion resistance:		
• Salt spray test		500 hours
• Corrosion resistance category		RC4
Condensation resistance:		
• QCT test		1500 hours
• Corrosion protection (interior) category		CPI4
UV resistance:		
• QUV (UVA + H ₂ O) test (2000 hours)		ΔE ≤ 2; GR ≥ 80%
• UV resistance category	RUV4	
Fire behaviour classification (EN 13501-1)	A1	
Resistance to acids and bases	Very good	
Resistance to solvents:		
• Aliphatics and alcohols	Excellent	
• Ketones	Very good	
• Aromatics	Very good	
Resistance to mineral oils	Excellent	
Maximum continuous operating temperature	100°C	

- Automatic guarantee**
- Non-perforation of the sheet metal ≤ 20 years, depending on the external environment
 - Non-delamination of the paint ≤ 20 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.
 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