

Estetic[®] Flex

- Properties**
- Very good formability
 - Very good resistance to abrasion
 - Good surface hardness
 - Thermosetting paint
 - Surface treatment and paint: free of hexavalent chromium and heavy metals

Applications Internal building and general industry applications that require high flexibility: HVAC, furniture etc

Description	Thickness ⁽¹⁾	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°) ⁽¹⁾	Usual: 30-80 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)	0 T*
		Resistance to cracking on bending (T-bend)	1 T*
Impact resistance		18 J	
Surface "pencil" hardness		HB to H	
Salt spray test		240 hours	
Condensation resistance:			
• QCT test		1000 hours	
• Corrosion protection category		CPI3	
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		
Resistance to mineral oils	Very good		

Remarks These performance characteristics refer specifically to metallic coating Z100.
 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

* Data valid for a steel thickness ≤ 1.5 m