ArcelorMittal

Granite® Diamond

Properties	Thermosetting paint		• New mineral aspect and texture • Good UV resistance and good corrosion resistance • High surface hardness and good formability
Applications	**External uses: construction (cladding)** **Coating specifically designed for aesthetic and surface robustness** **End uses: walls, industrialised building components, sandwich panels, cassettes and accessories**		
Description	Thickness	Usual:	45 microns
	Composition	Front: Back: Single-side finish	45 microns 5, 7, 10 or 12 microns backing coat
	Gloss (Gardner 60°)	Usual:	5 GU
	Colours		Specific colour palette Other colours on request
	Appearance		Stone effect, sparkling
	Temporary protection (optional)		Strippable films are usually not suitable
Performance	Adhesion of the coating (T-bend)		≤ 1 T
	Resistance to cracking on bending (T-bend)		≤ 2 T
	Impact resistance		18 J
	Surface "pencil" hardness		H to 2H
	Clemen scratch resistance		≥ 4 kg
	Corrosion resistance: • Salt spray test • Corrosion resistance category		 500 hours depending on the substrate RC4
	Condensation resistance (QCT)		1500 hours
	UV resistance: • QUV (UVA + H_2O) test (2000 hours) • UV resistance category		 $\Delta E \leq 3$; Gloss retention ≥ 60% RUV3
	Fire resistance (EN 13501-1)		A1
	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
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). Although we take care to reproduce the grained effect on each coil, ArcelorMittal does not guarantee the visual consistency of the colour from one coil to another. Consequently, you need to consider placing one single order for one building; standard samples can only serve as a guide.		

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