

Coatings	Designation EN 10326 – EN 10327	Coating weight – Double sided (g/m <sup>2</sup> )	Coating thickness (µm per side)
	AZ100	100	13
	AZ150	150	20
	AZ165	165	23
	AZ185	185	25
	AZ200	200	26

Coating thickness for indication.

Steel grades	Steel for bending and deep drawing applications		
Designation EN 10327	R <sub>e</sub> (N/mm <sup>2</sup> )	R <sub>m</sub> (N/mm <sup>2</sup> )	A <sub>80</sub> (%)
DX51D+AZ	≥ 140	270 – 500	≥ 22
DX52D+AZ	140 – 300	270 – 420	≥ 26
DX53D+AZ	140 – 260	270 – 380	≥ 30
DX54D+AZ	140 – 220	270 – 350	≥ 34
DX56D+AZ (HFX)*	120 – 180	260 – 330	≥ 39

Measurements transverse to rolling direction. When thickness  $t < 0.7$  mm, A<sub>80</sub> should be decreased with 2%.

\* Steel grade not mentioned in the standard.

#### Structural steel

Designation EN 10326	R <sub>e</sub> (N/mm <sup>2</sup> )	R <sub>m</sub> (N/mm <sup>2</sup> )	A <sub>80</sub> (%)
S220GD+AZ	≥ 220	≥ 300	≥ 20
S250GD+AZ	≥ 250	≥ 330	≥ 19
S280GD+AZ	≥ 280	≥ 360	≥ 18
S320GD+AZ	≥ 320	≥ 390	≥ 17
S350GD+AZ	≥ 350	≥ 420	≥ 16
S380GD+AZ*	≥ 380	≥ 450	≥ 22
S420GD+AZ*	≥ 420	≥ 500	≥ 21
S550GD+AZ	≥ 550	≥ 560	-

Measurements in rolling direction. When thickness  $t < 0.7$  mm, A<sub>80</sub> should be decreased with 2%.

\* Steel grade not mentioned in the standard.

Dimensions	Thickness (mm)	Width (mm)
	0.25 – 2.00	700 – 1500

Surface aspect	Designation EN 10326 – EN 10327	Definition
	A	Standard finish (normal spangle)
	B	Improved finish (skinpassed)

Protection – surface treatments	Designation	Definition
	E-Passivation®	Chromium-free chemical passivation
	O	Oiling
		Passivation and oiling
	Easyfilm® E	Environment-friendly thin organic coating (chromium-free, complying with European directives)

The technical informations above respond to the extreme feasibilities of ArcelorMittal's installations. Some extreme combinations may not be available. It is therefore recommended to consult us in these cases or when specific dimensions, packaging, finishing etc are requested.

<b>Type</b>	Continuous hot dip coating			
	Double-sided coating			
<b>Properties</b>	Excellent corrosion resistance Very attractive appearance Excellent thermal and light reflectivity Good abrasion resistance			
<b>Applications</b>	Construction	Roofing, cladding, profiling, tiles etc		
	General industry	Housings, cabinets and cases for air conditioning, computers, pipes, electrical equipment etc		
	Appliances	Washing machines, tumble dryers, refrigerators, ovens, toasters etc		
<b>Description</b>	Composition	Aluminium (55%) Zinc (43.4%) Silicon (1.6%)		
	Structure	Bi-phase structure, with grains of aluminium and zinc		
	Bulk density	3750 kg/m <sup>3</sup>		
	Aspect	Bright silvery metallic spangle		
	Aspect durability	Good Excellent with Easyfilm®		
	<b>Performances</b>	Edge protection	Very good	
Surface protection				
• Salt spray test, corrosion resistance (ISO 7253 / DIN 50021)		50 hours/μm		
• Outdoor exposure, corrosion resistance		Marine Industrial	0.6 μm/year 0.3 μm/year	
Adhesion (Resistance to cracking on bending for DX51D+AZ reference) <sup>1</sup> (EN 10327)		0 T (AZ100, AZ150) 1 T (AZ185)		
Hardness on cross section (Vickers, 5g)		140 HV 100 HV for HFX grade		
Reflection of solar heat		New Aged	81% 39%	
Heat transmission		65 Watts/m <sup>2</sup>		
Temperature resistance $T_{max}$		315°C		
Fire resistance		European standard (EN 13501-1) French standard (FD P92-507) British standard (BS 476)	A1 M0 AA	
<b>Remarks</b>	The performances indicated are averages and may vary in particular according to the type of support used. These data are not contractual and may be amended in line with technological progress related to the product.			