



COVERWORLD
UK LIMITED

COVERWORLD MAGNELIS

DATA SHEET

- Properties
- Up to 10 times better corrosion resistance than galvanised steel
 - Optimised to provide the best corrosion resistance results
 - Coated on both sides
 - 3.5% aluminium, 93.5% zinc, 3% magnesium

Applications **External uses : used widely in roofing, cladding and structural sections**

Description	Material	Steel Grade	DX51D + ZM
	Coating	Steel Standard	AM FCE
		Sides	Two Sided
		Thickness	16µ Per side
		Specification	ZM195
		Finish	Minimised Spangle
		Weight	195g/m ²

Mechanical Properties	Thickness (0.45 – 0.7mm)	
	• Re (MPa)	-
	• R _m (MPa)	270 – 500
	• A ₈₀ (%)	≥ 20
	• Bending ratio	-
	• r ₉₀	-
	• n ₉₀	-
	Thickness (0.7 – 6.0mm)	
	• Re (MPa)	-
	• R _m (MPa)	270 – 500
	• A ₈₀ (%)	≥ 22
	• Bending ratio	-
	• r ₉₀	-
	• n ₉₀	-

Chemical Composition	C (%)	≤ 0.180
	Mn (%)	≤ 1.200
	P (%)	≤ 1.200
	S (%)	≤ 0.045
	Si (%)	≤ 0.500
	Al (%)	-
	Nb (%)	-
	Ti (%)	≤ 0.300

roofing and cladding technology

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