

AHI Roofing – Steel Specifications Certification.

AHI Roofing tiles, shakes and shingles use steel complying with the Standards specified below.

Profiles

Gerard Heritage Tile, Gerard Classic Tile, Gerard Milano Tile, Gerard Shake, Gerard Shingle.

Standards

Coil Steel hot-dip coated with Aluminium Zinc manufactured to the following standards:

EN10346:2009 Continuously hot-dip coated steel flat products – Technical delivery conditions or
ASTM A792M Standard Specification for Steel Sheet, 55 % Aluminium-Zinc Alloy-Coated by the Hot-Dip Process or

AS1397:2011 Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium.

Steel grades

EN10346 – S280GD
– DX51D
ASTM A792M – 275
AS1397 – G300

Steel Properties

Base Metal Thickness: 0.4 mm
Total Thickness 0.43 mm

Steels Chemical Composition S280GD

	% Maximum as shown in Standard		
	EN10346	ASTM A972M	AS1397
Carbon (C)	0.2%	0.15%	0.3%
Phosphorous (P)	0.1%	-	0.1%
Manganese (Mn)	1.7%	0.6%	1.6%
Sulphur (S)	0.045%	-	0.035%
Silicon (Si)	0.6%	0.3%	-

DX51D refer to EN 10346:2009 table 1

Aluminium Zinc Coating

AZ150 150 g/m² of 55% Al, 43.5% Zn, 1.5% Si.

Surface Treatment; Resin coated – 1-2 µm Clear or Tinted Green

Branding Branded

G Allan

Engineering and Product Development Manager

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Product Innovation Manager

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