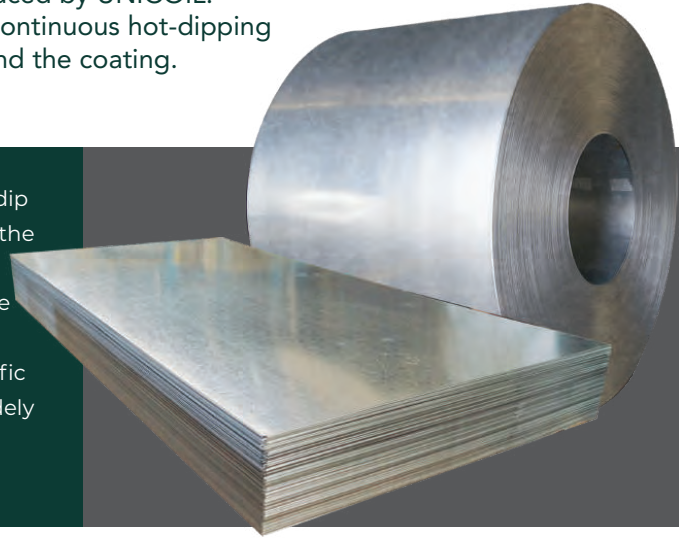




General Description

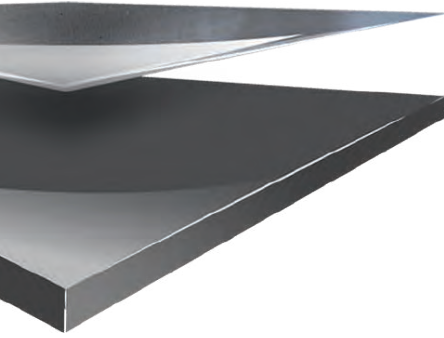
Mogalvin is the brand name of the hot-dipped galvanized steel produced by UNICOIL. The cold-rolled steel strip is coated with zinc using a controlled and continuous hot-dipping process that results in a tight metallurgical bond between the steel and the coating. The mass of the zinc coating ranges from 40 to 400 g/m².

MOGALVIN is continuously coated on both sides with a zinc coating. The hot dip process, pioneered by UNICOIL, provides a tight metallurgical bond between the steel and the coating. This process results in a material with the strength and formability of steel plus the corrosion protection of zinc. Zinc protects the base metal by providing a barrier to corrosive elements and also by the sacrificial nature of the coating. Available with special surface finishes, tailored for specific applications, and in variety of base metal grades and coating weights. It is widely used in many applications in the construction, HVAC, Appliance, Automotive and other industries.



Standard	Description	Grades
SASO-ASTM A653/A653M	Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process	CS-Type A,B,C FS Type A,B, SS33, SS37, SS40, SS50, SS55, SS60 & SS80
ASTM A653/ A653M	Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process	
EN 10346	Continuously hot-dip coated steel flat products for cold forming – Technical delivery conditions	DX51D, DX52D, S220GD, S250GD, S280GD, S320GD, S350GD, S390GD, S420GD & S550GD
JIS G 3302	Hot-Dip Zinc-Coated steel sheet and strip	SGCC, SGCD1, SGC340, S GC400, SGC440 & SGC570
AS 1397	Continuous Hot-Dip Metallic coated steel sheet and Strip-Coatings of Zinc and Zinc alloyed with Aluminum and Magnesium	G250, G300, G350, G450, G550





Tolerance on Nominal Thickness

Thickness (mm)	ASTM	½ ASTM
0.20 – 0.40	± 0.040	± 0.020
0.401 – 1.00	± 0.050	± 0.025
1.01 – 1.50	± 0.065	± 0.033
1.51 – 2.00	± 0.075	± 0.038
2.00 – 2.50	± 0.100	± 0.050
2.50 – 3.00	± 0.170	± 0.085

Note: Restricted or customized thickness tolerances can be offered on request.

Product Features

	Coils	Slit Coils	Cut Sheet
Thickness (TCT – mm)	0.20 – 3.00	0.25 – 3.00	0.30 – 3.00
Width (mm)	700 to 1,300	24 mm Min	700 - 1,300
Zinc Coating (GSM)*	40 to 400 (total both sides)	40 to 400 (total both sides)	40 to 400 (total both sides)
Spangles	Regular / Minimized Spangles (Skin Passed)	Regular / Minimized Spangles (Skin Passed)	Regular / Minimized Spangles (Skin Passed)
Passivation	Chromated / Oiled	Chromated	Chromated
Oiling (mg/m ²)	200 – 1000	Not Applicable	Not Applicable
Coil ID (mm)	508 (610 optional)	508 (160, 200 & 300 for cable industry)	Not Applicable
Length (mm)	Not Applicable	Not Applicable	500 – 4,000
Coil Weight / Pallet Weight (Kgs)	3,000 – 12,000	3kg/mm to 8kg/mm of Width	3,000 Max

* Minimum zinc coating mass of 40 to 400 gsm available for thickness above 0.30 mm thickness.

(Zinc Coating of less than 60 gsm available for standards other than SASO ASTM)

TCT – Total Coated Thickness (Steel thickness + Zinc coating thickness)

