

MOGALVIN جلفن

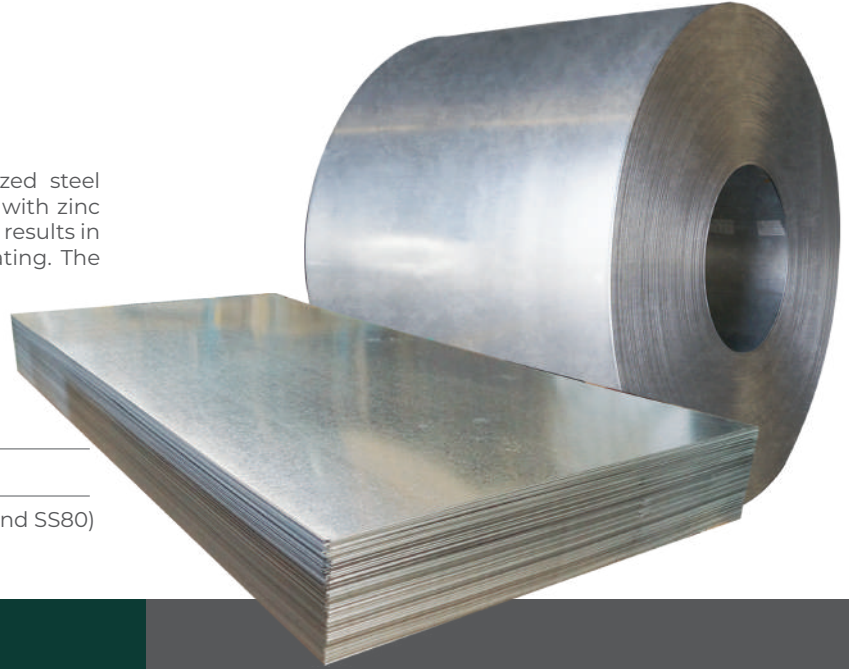
Mogalvin is the brand name of the hot-dipped galvanized steel produced by UNICOIL. The cold-rolled steel strip is coated with zinc using a controlled and continuous hot-dipping process that results in a tight metallurgical bond between the steel and the coating. The mass of the zinc coating ranges from 60 gsm to 350 gsm.

Grades

Commercial Steel : CS Type A,B, C

Forming Steel: FS Type A & B

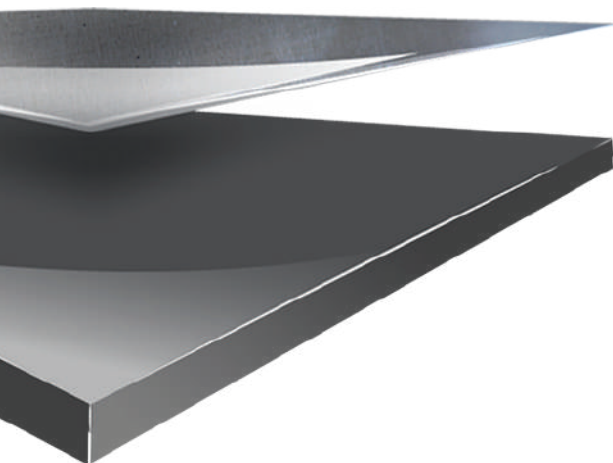
Structural Steel: (SS33, SS37, SS40, SS50 class 1, 2, 3 & 4 and SS80)



General Description

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. Widely used in many applications in the construction, HVAC, Appliance, Automotive and other industries.

Specification No.	Description
ASTM A653	Hot Dip Galvanized Steel
ASTM A924	General Requirement & Tolerances
EN 10346	Hot Dip Galvanized Steel
JIS G 3302	Hot Dip Galvanized Steel



Tolerance on Nominal Thickness

Thickness (mm)	ASTM	½ ASTM
0.18 – 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



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Product Features

	Coils	Slit Coils	Cut Sheet
Thickness (BMT – mm)	0.18 – 3.00	0.40 – 3.00	0.30 – 3.00
Width (mm)	1,000 to 1,250	45 mm Min	600 - 1,300
Zinc Coating (GSM)*	45 to 350 (total both sides)	45 to 350 (total both sides)	45 to 350 (total both sides)
Spangles	Regular / Minimized Spangles (Skin Passed)	Regular / Minimized Spangles (Skin Passed)	Regular / Minimized Spangles (Skin Passed)
Passivation	Chromated / Oiled	Chromated	Chromated / Oiled
Oiling (mg/m ²)	200 – 1000	Not Applicable	200 – 1000
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	2kg/mm to 6kg/mm of Width	3,000 Max

* Minimum zinc coating mass of 60gsm available for thickness above 0.45mm thickness. Minimum zinc coating mass of 45gsm available for thickness above 0.60mm thickness. 45 gsm (G15/Z45) will be available for export market only.



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