

GENERAL DESCRIPTION

MOGALVIN – Anti-Bacterial is a special layer of epoxy coating combining the anti-microbial compound and zeolites in the epoxy resin coated on Mogalvin – A Galvanized product of UNICOIL that is continuously coated steel on both sides with zinc; This anti-bacterial coating provides surface protection from odor causing bacteria and is highly recommended for HVAC duct applications, apart from the inherent corrosion protection provided by the Mogalvin.

Usually, Anti-Bacterial coating is applied on one side for providing anti-bacterial action – for HVAC ducting applications and other surface with Clear Epoxy coat. Anti-Bacterial coating can be applied on both sides, on request.

Special Advantages

- Surface Protection from Odor Causing Bacteria
- Surface Protection from Molds
- 99% Reduction in Bacteria
- Higher Protection for Health and Environment
- Highly Recommended for HVAC Duct Applications



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
ASTM A653/A653M	Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.	SS33, SS37, SS40, SS50, SS55, SS60 & SS80
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, SGC400, 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

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



Product Features

	Coils	Slit Coils	Cut Sheet
Thickness (TCT - mm)	0.30 – 1.20	0.30 – 1.20	0.30 – 1.20
Width (mm)	700 to 1,250	24 mm Min	700 to 1,250
Zinc Coating (GSM)* (Total on both sides)	40 to 400		
Spangles	Regular spangle / Minimized Spangles (with Skin Passed)		
Coating on Top surface	Anti-Bacterial Coating		
Coating on Bottom surface	Clear Epoxy / TOC / Anti-Bacterial		
Coil ID (mm)	508 (610 optional)	508	Not Applicable
Length (mm)	Not Applicable	Not Applicable	500 – 4,000
Coil / Pallet Weight (Kgs)	3,000 – 8,000	3kg/mm to 8kg/mm of Width	3,000 Max

NOTE

* Minimum zinc coating mass of 40 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)

