

- ✓ Lead Safe Zinc (less than 90ppm)
- ✓ Trivalent Chrome Passivation (No Hexavalent Chrome)
- ✓ No – Mercury, PBB & PBDE.

Grades

Commercial Steel: CS Type A,B, C

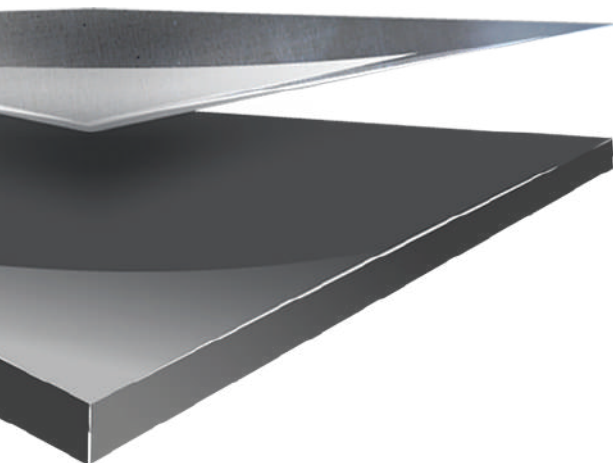
Forming Steel: FS Type A & B

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

General Description

Mogalvin Trichrome is a Galvanized steel from UNICOIL, treated with Trivalent Chrome (Cr³) passivation, which is an alternate surface treatment to the Hexavalent chrome passivation. Trivalent Chrome passivation is an eco- friendly and offers good corrosion resistance. By applying Trivalent chrome passivation, Mogalvin – Trichrome becomes ROHS compliant as UNICOIL uses zinc with less than 90ppm lead which is maximum allowed limit as per ASTM/653. The other elements, Mercury, Cadmium, PBB and PBDE are not present in the Galvanized steel.

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	Trivalent Chrome / Oiled	Trivalent Chrome	Trivalent Chrome / 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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