



Material Data Sheet

Issue Date: xxxxx

Material Description

Grade: 3005-Zinc/Aluminium

Related Specifications

AWS C2.25/C2.25M & ISO14919 Standards

Surface Preparation

The surface should be clean, white metal, with no oxides (rust), dirt, grease, oil, or any other foreign components on the surface to be coated.

Applications

Oil and Gas Pipelines, Flare Towers, Onshore & Offshore Oil Platforms structures, Exhaust Stacks, Breakwater Piles, Ships, Tanks, Bridges & Chemical Plants.

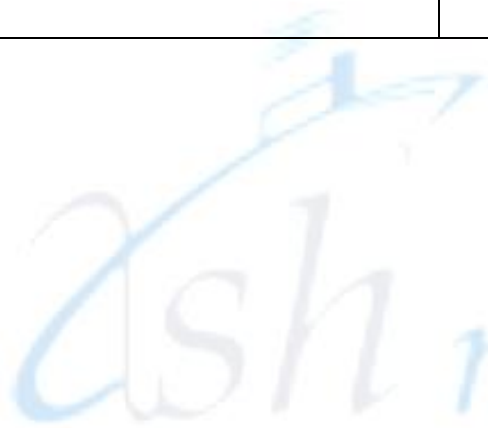
Composition & Characteristics

Specification of chemical composition & characteristics* (where applicable)

COMPOSITIONS			PACKAGING		
ELEMENT	Main Components	Impurity %	Format	Weight	Tolerance
Zn	≥ 99.995		Reel	15.43/28.6 lbs	+/- 4.4 lbs
Fe		≤ 0.003%	Spool	15.43/28.6 lbs	+/- 4.4 lbs
Sn		≤ 0.001%	Drum	110.23-176.37 lbs	+/- 4.4 lbs
Cu		≤ 0.001%	Diameter (mm)		
Pb		≤ 0.004%	1.6, 2.0, 2.3, 3.175 & 4.76		
Cd		≤ 0.002%	Tolerance (mm)		
			+0.00/-0.03	+0.00/-0.04	+0.00/-0.05
Total		0.005	+0.00/-0.06	+0.00/-0.07	

Mechanical Characteristics

Tensile Strength	95-125 n/mm ² min
Elongation after Rupture	≥ 30 %
Specific Gravity	7.13 – 7.14 g/cm ³
Specific resistance (mΩ.mm²/m) at 20°C	≤70
Solidus / Liquidus Temp. (°C)	419.5 ±1

 Ashmarine