

### Metal Sheet for Sandwich Panel of Cold Room and Clean Room

#### Material

1. Sandwich panel for internal roof and wall application, consists of insulating core sandwiched in between steel sheet which is SuperDyma® CRP Antibacterial, or steel sheet coated with zinc, 11% aluminum and 3% magnesium. Coating on the steel sheet on both sides is not less than 180 grams per square meter (ZM180).
2. Minimum Yield Strength must not less than 300 Mpa for G300
3. Thickness of steel sheet and coating layer as AS 1397 - 2021 standard follows.
  - Base Metal Thickness; BMT nominal 0.40 mm. After Paint Thickness; APT nominal 0.47 mm.
  - Base Metal Thickness; BMT nominal 0.50 mm. After Paint Thickness; APT nominal 0.57 mm.
  - Base Metal Thickness; BMT nominal 0.55 mm. After Paint Thickness; APT nominal 0.62 mm.
4. Coated with a polyester paint system with certified Food Grade in accordance with USDA 21 CFR 175.300 (U.S. Food and Drug Administration). Easy clean property coated surface with Zilicon-Shield™ technology offers water protection and oil repelling qualities on the surface and superior coated with anti-bacterial additive. The thickness of the coating is as follows.
  - Finishing Coat Food Grade (USDA) Polyester 20 microns
  - Corrosion Inhibitive Primer Polyester 5 microns
  - Backing Coat Epoxy 5 microns
5. Reference standard
  - AS 2728: 2013 Prefinished/ prepainted sheet metal products for interior/exterior building
  - AS 1397 - 2021 Continuous hot-dip metallic coated steel sheet and strip
  - TIS 2981 – 2019 Hot-dip zinc-5% to 13% aluminium-2% to 4% magnesium alloy-coated flat steel
  - JIS G3323 Hot-dip zinc-aluminium-magnesium alloy-coated steel sheet and strip
6. The material is certified by HACCP International type SSZ (Splash or Spill Zone), items are suitable for use in food handling areas such as kitchens, production areas and processing areas including storage area.
7. The material has been tested according to The International Standard ISO 22196-2011 and shown to be effective in killing common bacteria Escherichia coli and Staphylococcus aureus. The material should pass Methods of Test For Metallic and Related Coatings Corrosion and Related Property Tests - Wet (Salt Fog)/Dry/Humidity

(Cyclic Corrosion Test) in not less than 2,000 hours intended to be a more realistic way to combine traditional exposure to salt spray with a variety of other controlled climates by using cutting tools to make an “X” scribed line on the sample without red rust under the cutting scribed line of more than 1 mm and no corrosion on the base metal in accordance with AS 2331.3.13-2006 Cycle E

8. The material should pass Standard Practice for Operating Salt Spray (Fog) Apparatus (Salt Spray Test) in not less than 2,000 hours by using cutting tools to make “X” scribed line on the sample without red rust under the cutting scribed line of more than 2 mm and no corrosion on the base metal in accordance with ASTM B117-2016
9. The material should pass the volatile organic compounds (VOCs) based on US EPA 5021 Analysis was performed by GC-MS with head-space not detected volatile organic compounds (VOCs)

#### Product Warranty

Application of SuperDyma® CRP Antibacterial products for **Sandwich panel (Interior)** will receive a product warranty according to the terms and conditions of the company as follows.

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|-------------------------------------|----------|
| - Shall not perforate by corrosion  | 15 years |
| - Shall not Color Peeling and Flake | 5 years  |