

Part 1- GENERAL

0.1

REFERENCES

- American Society for Testing and Materials (ASTM International)
- ASTM A 653/A 653M-Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- ASTM D 5796-Standard Test Method for Measurement of Dry Film Thickness of Thin-Film Coil-Coated Systems by Destructive Means Using a Boring Device
- ASTM D 5402-Standard Practice for Assessing the Solvent Resistance of Organic Coatings Using Solvent Rubs, coating, curing characteristics, double rub method
- ASTM D 523-[Standard Test Method for Specular Gloss, appearance, directional reflectance factor, gloss, goniophotometry, high gloss, relative
- ASTM D 4145-Standard Test Method for Coating Flexibility of Prepainted Sheet, coating flexibility, prepainted sheet, T-bend flexibility, Prepainted steel sheet
- ASTM D 4214- Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films, chalking, evaluation, exterior paint films
- ASTM E 330 – Standard Test Method for Structural Performance by Static Pressure Difference
- ASTM G 26- Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials

1.1.2 American National Standards Institute (ANSI)

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ANSI B18.6.4-[99], Thread Forming and Thread Cutting Screws and Metallic Drive Screws.

1.1.2 Canadian General Standards Board (CGSB)

- Metal Siding Standards : CAN/CGSB 93.4.92 & CAN/CGSB 93.5.92

0.2

DESIGN REQUIREMENTS

- 0.1.1 Provide and install all the coverings of this section as well as the materials of all other siding.
- 0.1.2 The metal panels shall be designed to permit thermal contraction and expansion of the components due to temperature variations over a range of about 80°C, without excessive stress on the fastening devices, nor does it cause the buckling of the panels, the breaking of these seals or any other deterioration.
- 0.1.3 The maximum permissible deviation for the vertical and horizontal alignment of the panels in place is 1: 1000.
- 0.1.4 Harmonize and coordinate the work of metallic sidings with all contractors from all disciplines underlying and adjacent to the work of placing the panels.
- 0.1.5 The panel must withstand the seismic and wind loads found in the project area and meet the NBCC, 50-year probability (...kPa).