
PART 1 - GENERAL

1.1 NOT USED

1.2 REFERENCES

- .1 American Society for Testing and Materials (ASTM)
 - .1 ASTM D2240-05 (2010), Test Method for Rubber Property-Durometer Hardness
 - .2 ASTM E330/E330M-14, Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
- .2 Canadian Door and Window Manufacturers, Certification Program.
- .3 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB 12.20-M89, Structural Design of Glass for Buildings

1.3 PERFORMANCE REQUIREMENTS

- .1 Size glass to withstand wind loads, dead loads and positive and negative live loads as measured in accordance with ASTM E330.
- .2 Limit glass deflection to 1/200 flexural limit of glass with full recovery of glazing materials.

1.4 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.

1.5 SAMPLES

- .1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.

1.6 CLOSEOUT SUBMITTALS

- .1 Provide maintenance data including cleaning instructions for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

1.7 QUALITY ASSURANCE

- .1 Perform work in accordance with FGMA Glazing Manual and the Standards Manual for glazing installation methods.
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- .2 Maintain one copy of the standard document on site.

1.8 WASTE MANAGEMENT AND DISPOSAL

- .1 Divert unused caulking and sealant materials from landfill through disposal at special wastes depot.

PART 2 - PRODUCTS

2.1 GLAZING MATERIALS

- .1 Insulating glass units:
 - .1 Factory sealed double glazed units for windows: nominal 25 mm overall thickness to CAN/CGSB-12.20-M, using tempered safety glass

2.2 ACCESSORIES

- .1 Setting blocks: Neoprene 80-90 Shore A durometer hardness to ASTM D2240, length of 25 mm for each square meter of glazing minimum 100 mm x width of glazing rabbet space minus 1.5 mm x height to suit glazing method, glass light weight and area.
- .2 Spacer shims: Neoprene 50-60 Shore A durometer hardness to ASTM D2240, 75 mm long x one half height of glazing stop x thickness to suit application. Self adhesive on one face.
- .3 Glazing tape:
 - .1 Preformed butyl compound with integral resilient tube spacing device, 10-15 Shore A durometer hardness to ASTM D2240; coiled on release paper; black colour.
 - .2 Closed cell polyvinyl chloride foam, coiled on release paper over adhesive on two sides, maximum water absorption by volume 2%, designed for compression of 25 %, to effect an air and vapour seal; double size.

PART 3 - EXECUTION

3.1 INSTALLATION: EXTERIOR - DRY METHOD (PREFORMED GLAZING)

- .1 Cut glazing tape to length; install on glazing light. Seal corners by butting tape and sealing junctions with sealant.
- .2 Place setting blocks at 1/4 points, with edge block maximum 150 mm from corners.
- .3 Rest glazing on setting blocks and push against fixed stop with sufficient pressure to attain full contact.

- .4 Install removable stops without displacing glazing tape. Exert pressure for full continuous contact.
- .5 Trim protruding tape edge.

3.2 PROTECTION OF FINISHED WORK

- .1 After installation, mark light with an "X" by using removable plastic tape or paste.

END OF SECTION