



Vinyl Window Designs Ltd.
550 Oakdale Road
Toronto, ON M3N 1W6

DIVISION 08 / SECTION 08560, VINYL WINDOWS

SPECIFICATIONS

1.0. Section includes:

1. All windows of the types and sizes as called for in this specification shall be furnished with all necessary hardware and miscellaneous equipment as herein specified and shall be manufactured by Vinyl Window Designs Ltd

2. Windows to be Plus Style 452R Fixed Casement Windows with uPVC vinyl.

2.0. Quality Assurance:

1. Provide independent, third party laboratory testing.

a. CAN/CSA A440 Fixed B7, C5

b. Canadian Energy Rating of +38* (PlanithermLUX Low E and Argon Gas)

c. U value 0.26 imperial / 1.48 metric, SHGC .31 (Solarban 60 Low E and Argon Gas)

U value 0.28 imperial / 1.59 metric, SHGC .56 (PlanithermLUX Low E and Argon Gas)

d. National Fenestration Rating Council Certified

f. ENERGY STAR Qualified

g. Window Wise Certified

2. All glass to IGMA Certified

3.0 Products:

1. Material:

a. All Plus Windows to be uPVC premium quality vinyl compound with Multi-chambered design for thermal efficiency and strength. The vinyl

extrusions used shall be of commercial quality and of proper formulation for window construction, free of defects impairing strength and durability.

2. Components:

a. Frame shall be welded and watertight.

3. Hardware:

None.

4. Weather-stripping:

None.

5. Fasteners:

None.

6. Insect Screens:

None.

7. Glazing:

a. Windows shall be factory glazed into drained sash cavities. The insulated glass is secured to the sash and frame with a ductile bedding compound. Setting blocks are utilized.

b. Double units shall be overall 7/8".

c. Sealed units shall have PPG Stainless warm edge spacer technology.

d. Sealant shall be PPG approved DSE (dual seal equivalent) material.

e. Glass thickness to meet local and Federal building codes, unless otherwise specified.

f. Assembly shall conform to ASTM E 774-92, level A. Tempered glass shall conform to ASTM C 1048-91. Annealed glass shall conform to ASTM C 1036-91.

g. Sealed units are available with two lites of clear glass, PlanithermLUX on surface 3 or Solarban 60 on surface 2.

j. Sealed units are available with air fill, argon and argon (90%)/krypton(10%) mix at a 90% fill.

8. Finish:

a. Windows are available in extruded white colors #137 and #143.

b. Windows are available with exterior painted surface utilizing water based paints.

4.0 Warranty:

1. The installer shall assume full responsibility that the installation is in accordance with the specifications, contract documents and manufacturer specifications.

2. Manufacturer's Warranty: Furnish manufacturer's Limited Lifetime Warranty on window products.

5.0 References:

1. American Society of Testing Materials (ASTM):

a. ASTM C 509-94 Specification for Elastomeric Cellular Preformed Gasket and Sealing Material.

b. ASTM B 633-85 Specification for Electrodeposited Coatings of Zinc on Iron and Steel.

c. ASTM B 766-86 Specification for Electrodeposited Coatings of Cadmium.

d. ASTM B 456-94 Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.

e. ASTM C 1036-91 Specification for Flat Glass.

f. ASTM E 774-92 Specification for Sealed Insulated Glass Units.

2. American Architectural Manufacturers Association (AAMA):

a. AAMA 701-92 Voluntary Specification for Pile Weatherstripping.

b. AAMA 800-92 Voluntary Specification and Test Methods for Sealants.

c. AAMA 1302.5-1976 Voluntary Specification for Forced-Entry Resistant Aluminum Prime Windows.

d. AAMA 902-94 Voluntary Specification for Sash Balances.