

## **PART 1 GENERAL**

### **1.1 Section Includes**

- .1 Board insulation at exterior wall construction and perimeter foundation wall.

### **1.2 Related Sections**

- .1 Section 033000 – Cast-In-Place Concrete: Foundation wall.
- .2 Section 072130 – Batt and Blanket Insulation

### **1.3 References**

- .1 CAN/ULC-S701-01, Thermal Insulation, Polystyrene, Boards and Pipe Coverings
- .2 CAN/ULC-S702-97, Thermal Insulation, Mineral Fibre, for Buildings

### **1.4 Submittals**

- .1 Comply with requirements of Division 1.
- .2 Submit manufacturers' literature for insulation and fastening systems, indicating compliance with specifications.

### **1.5 Certification**

- .1 Polystyrene insulation to be tested, certified and labeled for conformance with CAN/ULC-S701, Thermal Insulation, Polystyrene, Boards and Pipe Covering, in accordance with, ULC, or other certification program accredited by Standards Council of Canada.

### **1.6 Storage**

- .1 Store to protect materials from wind, moisture, sunlight and accidental ignition.

### **1.7 Environmental Requirements**

- .1 Install insulation during dry weather conditions.

### **1.7 Sequencing and Scheduling**

- .1 Schedule application of insulation to follow immediately after installation of sheet membrane air and vapor seal and to proceed concurrently with it.

## **PART 212 PRODUCTS**

### **2.1 Insulation**

- .1 Polystyrene, Type 4: to CAN/ULC-S701.

### **2.2 Board Dimensions and Shape**

- .1 Minimum Width: 400 mm.
- .2 Minimum Length: 1200 mm.
- .3 Thickness: as indicated on drawings.
- .4 Insulation applied to curved substrates to conform to profile without creation of cavities in, or alteration of density of, insulation boards.

### **2.3 Fasteners**

- .1 Fasteners to be specifically designed to anchor insulation by frictional resistance within structurally adequate substrates. They to be inserted into and compressed against surrounding substrates, either by being driven or screwed, and to be one of following types:
  - .1 Plastic: with integral shank and head of minimum 45 mm diameter to distribute stresses,

- of high density polyethylene to ASTM D1248 or high density polypropylene to ASTM D4101.
- .2 Carbon Steel or Stainless Steel: of nail, screw or expansion type, with separate hot-dip galvanized sheet steel or high density polyethylene or polypropylene stress distribution plates of minimum 50 mm diameter or width.
- .2 Performance requirements for installed insulation fasteners:
  - .1 Pullout Resistance: minimum 200 N, perpendicular to applicable substrates and within temperature range of -30°C to +40°C.
  - .2 Corrosion Resistance: carbon steel components to show not more than 15% of surface rusted, and coatings to not blister, peel or crack, when tested to Corrosion Test Procedure of Factory Mutual Research Approval Standard, Class I Roof Covers (4470).

### **PART 3 23EXECUTION**

#### **3.1 Installation of Insulation**

- .1 Install insulation boards horizontally. Offset vertical joints minimum 300 mm.
- .2 Install tightly against dry substrate. Provide continuity of thermal protection to building elements and spaces.
- .3 Cut and trim insulation neatly to fit around corners and penetrations. Take care to prevent cutting sheet membrane air and vapor seal.
- .4 Butt joints tightly. Deform board edges as required to maintain tight butt joints at insulation fasteners and other penetrations located at board joints.

#### **3.2 Installation of Fasteners**

- .1 Install fasteners following fastener manufacturer's recommendations for type of substrate, drill bits, edge distance, installation methods, and ambient and substrate temperature conditions.
- .2 Space fasteners horizontally at:
  - .1 maximum 800 mm o.c., and
  - .2 maximum 200 mm from vertical board joints.
- .3 Space fasteners vertically:
  - .1 at all horizontal board joints and on centre line of board widths, or
  - .2 at 1/4 of board width from all horizontal joints.
- .4 Do not use plastic fasteners in horizontal, suspended installations.

#### **3.3 Installation Schedule**

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Location	Type	Thickness(mm)
Walls and soffits above grade:	Polystyrene, Type 2	64 51 38
Vertical and Horizontal below grade:	Polystyrene, Type 4	25
Decks above heated spaces:]	High density polystyrene, Type 4	25 38

Note: Where more than one insulation type is specified for a single location, provide any one of types specified for that location.

**END OF SECTION**

PART 1 GENERAL

**1.1 Section Includes (Where Indicated on Drawings)**

- .1 Batt insulation in cavity space of exterior wall (other than provided under Section 051220).
- .2 Batt and/or blow-in insulation for roof or truss perimeter edge (not included in Section 051220).
- .3 Batt and blow-in insulation or spray foam insulation for filling perimeter window and door shim spaces crevices in exterior wall and roof.
- .4 Acoustic batt insulation for interior demising walls.

**1.2 Related Sections**

1. Section 051220 – Pre-Engineered Light Gauge Metal Buildings
2. Section 072500 - Vapour and Air Barrier: Continuing vapour and air barrier materials to adjacent construction.
3. Section 072120 - Board Insulation.

**1.3 References**

- .1 CAN/CGSB-51.33M - Vapour Barrier, Sheet, for Use in Building Construction.
- .2 CSA A101M - Thermal Insulation, Mineral Fibre, for Buildings.

**1.4 Performance Requirements**

- .1 Materials of this Section shall provide continuity of thermal barrier at building enclosure elements.

**1.5 Submittals**

- .1 Submit product data to requirements of Section 01300.
- .2 Provide product data on product characteristics, performance criteria, limitations.

**1.6 Coordination**

- .1 Coordinate the work of Section 07190 for installation of vapour and air barrier seals

**PART 2 INSULATION MATERIALS**

**2.1 Acceptable Manufacturers - Insulation Materials**

- .1 Fibreglass Canada Inc. Model Fibreglass Friction Fit Batt Insulation.

**2.2 Materials**

- .1 Batt Insulation: CSA A101M; pre-formed fibre batt; friction fit, Fibreglass Friction Fit manufactured by Fibreglass Canada Inc. Minimum R20 walls and R40 roof – batt or blow-in insulation. See drawings for insulation thickness.
- .2 Mineral Fibre Insulation: To CSA A101-M1977, Type 1A, RSI indicated.
- .3 Vapour Barrier Film:
  - .1 Fibreglass Batt Insulation, CSA A101-M1983.
  - .2 Insulation: Proper installation of the vapour barrier is critical. Installation is to be done according to the National Building Code, 2005 edition, Subsection 9.26.5, part of which is reproduced below for reference:
    - .1 Every vapour barrier shall be installed to protect the entire insulated wall surface, except that the vapour barrier need not extend across the framing members provided the interior finish consists of panel-type material attached to all framing members with a continuous bead of adhesive in addition to the nails.
    - .2 Insulation shall be protected by a vapour barrier so that all joints are sealed or

- are lapped at least 100 mm and occur at framing members, furring or blocking.
- .3 Where an interior frame wall meets an exterior wall required to have vapour barrier protection, the vapour barrier protection shall extend between the exterior and interior walls to form continuous protections at the wall intersection.
  - .4 Where an interior frame wall meets a ceiling required to have vapour barrier protection, the vapour barrier protection shall extend over the top of the wall or beneath the top wall plate to form continuous vapour protection for the ceiling.
  - .5 Holes through vapour barrier, such as those cut for the installation of electrical wiring, electrical boxes, piping or ductwork, shall be sealed to maintain the integrity of the vapour barrier over the entire surface.
- .4 Accessories
- .1 Insulation clips: impale type, perforated 50 x 50 mm cold rolled carbon steel 0.8 mm thick, adhesive back, spindle of 2.5 mm diameter annealed steel, length to suit insulation, 25 mm diameter washers of self locking type.
  - .2 Nails: Galvanized steel, length to suit insulation plus 25 mm to CSA B111-1974, Table 12.
  - .3 Staples: 12 mm minimum length.
  - .4 Sealant: To CGSB 19-GP-21M.
- .5 For light gauge metal buildings, provide R-28, 3' wide blanket type glass fibre insulation having 1 lb density and 8" foil skim Kraft insulation, minimum R-28 R-value.

### **PART 3 EXECUTION**

#### **3.1 Insulation Installation**

- .1 Install insulation to maintain continuity of thermal protection to building elements and spaces.
- .2 Install insulation with vapour barrier facing warm side of building spaces and vapour permeable membrane facing cold side. Lap ends and side flanges of membrane over framing members. Retain in position with staples. Tape seal butt ends and lapped side flanges. Do not tear or cut vapour barrier.
- .3 Fit insulation closely around electrical boxes, pipes, ducts, frames and other objects in or passing through insulation.
- .4 Do not compress insulation to fit into spaces.

#### **3.2 Vapour Barrier Installation**

- .1 Place polyethylene on warm side of insulation and tight to insulation.
- .2 Staple vapour barrier to framing members. Lap joints 150 mm minimum. Ensure joints occur over framing members. Caulk all lap joints.
- .3 Tape seal areas where nails or staples penetrate vapour barrier.
- .4 Extend vapour barrier tight to perimeter of windows, door frames and other items interrupting continuity of membrane. Seal with sealant.
- .5 Seal vapour barrier at points of penetration.

**END OF SECTION**

**PART 1 GENERAL**

**1.1 Section Includes**

- .1 Sheet and sealant materials to provide a continuous vapour and air barrier throughout the building envelope and to seal wall vapour and air barrier to window, door and frame openings.

**1.2 Related Sections**

- .1 Section 079200 - Joint Sealers: Sealants.
- .2 Section 085313 – PVC Windows.
- .3 Section 081112 – Steel Frames

**1.3 References**

- .1 CAN/CGSB-19.13M -Sealing Compound, One Component, Elastomeric, Chemical Curing.
- .2 CAN/CGSB-19.24M - Sealing Compound, Multi-Component, Chemical Curing.
- .3 CGSB 19-GP-14M - Sealing Compound, One Component, Butyl-Polyisobutylene Polymer Base, Solvent Curing.
- .4 CGSB 19-GP-18M - Sealing Compound, One Component, Silicone Base, Solvent Curing.
- .5 Sealant and Waterproofer's Institute - Sealant and Caulking Guide Specification.
- .6 CAN/GSB 51.34 – M86 (Balcon Vapour Barrier).

**1.4 Performance Requirements**

- .1 Materials of this Section shall provide continuity of building enclosure vapour and air barrier:
  - .1 In conjunction with materials described in Section 07212, 07213, 07214, 07900.
  - .2 To seal gaps between building enclosure components and wall and roof opening frame.

**1.5 Quality Assurance**

- .1 Perform Work in accordance with Sealant and Waterproofer's Institute - Sealant and Caulking Guide Specification requirements for materials and installation.
- .2 Maintain one copy of document on site.

**1.6 Qualifications**

- .1 Applicator: Company specializing in performing the work of this Section with minimum 3 years documented experience approved by manufacture.

**1.7 Environmental Requirements**

- .1 Do not install solvent curing sealants in enclosed building spaces without ventilation.
- .2 Maintain temperature and humidity recommended by the materials manufacturers before, during, and after installation.

**1.8 Sequencing**

- .1 Sequence Work to permit installation of materials in conjunction with other retardant materials and seals.

**1.9 Coordination**

- .1 Coordinate the work of this Section with all Sections referencing this Section.

**PART 2 PRODUCTS**

**2.1 Sheet Materials**

- .1 Sheet Air/Vapour Barrier: Type 1 used on masonry walls and masonry veneer walls, etc. Self adhering, cold applied composite sheet membrane comprised of rubberized asphalt integrally bonded to a film of high density cross laminated polyethylene, maintaining a minimum thickness

- of 1 mm; Blueskin as manufactured by Bakor or CCW705 Carlisle BY Wallace Construction specialties; Type 2; see 3.4.1.
- .2 Sheet Barrier Type 2: Self-adhering, cold-applied composite sheet membrane, comprised of 0.9 mm rubberized asphalt integrally bonded to a 0.1 mm film of high density, cross-laminated “embossed” polyethylene, for a minimum thickness of 1 mm. Ice and Water Shield manufactured by W.R. Grace; Betaguard AG manufactured by Bakor; Lastobond 195 by Soprema.
  - .3 Sheet Barrier Waterproofing Type 3: Self adhering 1.5 mm water proofing membrane composed of cross laminated polyethylene and rubberized asphalt, Bituthene 3000 manufactured by W. R. Grace, WP200 manufactured by Bakor and CCW 861 Carlisle by Wallace Construction Specialties.
  - .4 Sheet Air Barrier Type 4: Spunbonded olefin fibres interwoven in sheet form, forming an air retarder. Perm rating -1723 ng/Pa.s.sq.m. Tyvek, manufactured by E.I. du Pont de Nemours & Co.
  - .5 Sheet Vapour Barrier Type 5: CGSB 51.34M86, 6 mil polyethylene – walls.

## **2.2 Sealants**

- .1 Polyurethane Sealant: Single component, 100 percent solids in content; type recommended by manufacturer; Sunborne NPI by Wallace Construction.
- .2 Primer: Type recommended by manufacturer.
- .3 Acoustical sealant at overlap joints in poly ethylene vapour barrier.
- .4 Cleaner: Non-corrosive type recommended by manufacturer.

## **2.3 Adhesives**

- .1 Adhesive: Type recommended by manufacturer.

## **2.4 Accessories**

- .1 Thinner and Cleaner for Sheet: As recommended by sheet material manufacturer.
- .2 Tape: Minimum thickness of 0.8 mm; type recommended by manufacturer.
- .3 Wall Flashing: Sheet Barrier Type 1; Self-adhering membrane; Perma-A-Barrier Wall Flashing Membrane manufactured by W.R.Grace or Sopraseal, Colphene 1000 GSA manufactured by Soprema or Blueskin SA manufactured by Bakor, Carlisle CCW705LT by Carlisle.
- .4 Silicone: Anti mildew silicone Dow Corning tub and file sealant for countertop, plumbing, etc.

# **PART 3 EXECUTION**

## **3.1 Examination**

- .1 Verify that surfaces and conditions are ready to accept the Work.

## **3.2 Preparation**

- .1 Remove loose or foreign matter which might impair adhesion.
- .2 Clean and prime substrate surfaces in accordance with manufacturers' instructions.

## **3.3 Installation - Exterior Walls**

- .1 Install sheet materials in accordance with manufacturer's instructions
- .2 Install sealant in accordance with manufacturer's instructions.
- .3 Apply sheet barrier Type 1 to primed exterior GWB sheathing. Fit membrane tightly around all penetrations through it and seal.
- .4 Lap Sheet Barrier Type 1 into all openings in the wall area, windows, doors, etc. and terminate at a point that will ensure that it will not be visible from the interior.
- .5 Tie membrane into and make continuous with all framed openings.

- .6 Coordinate installation of membrane with roofing trade to ensure continuity of the air /vapour barrier.
- .7 At the end of each working day, and assuming a wall area has been only partially covered, seal along the top edge of the membrane at its termination to prevent the vertical drainage of precipitation from running in behind the membrane.
- .8 Before covering the membrane with the cavity insulation, inspect and repair any punctures, damaged areas or inadequately lapped seams.
- .9 Install membrane within recommended application temperature ranges.

### **3.4 Installation - Roof**

See drawings for roof type and locations.

- .1 Install sheet barrier Type 2 onto primed roof surfaces. Lap seal in accordance with manufacturer's instructions, i.e. Carlisle CCW401 membrane, peel and stick self adhesive air vapour barrier by Wallace Construction Specialties Lastobond 195 by Soprema or in accordance to other approved roof membrane manufacturer/supplier.

### **3.5 Vapour Barrier Film Installation**

- .1 Staple vapour barrier to framing members. Lap joints 150 mm minimum and tape seal. Ensure joints occur over framing members.
- .2 Tape seal areas where nails or staples penetrate vapour barrier.
- .3 Extend vapour barrier tight to perimeter of windows, door frames and other items interrupting continuity of membrane. Tape seal.
- .4 Seal vapour barrier at points of penetration.

### **3.6 Protection of Finished Work**

- .1 Protect finished Work under provisions of Section 01500.
- .2 Do not permit adjacent Work to damage work of this Section.

### **3.7 Schedule**

- .1 Window and Door Frame Perimeter: Lap sheet barrier Type 1 from wall membrane with 102 mm of contact over firm bearing to window frame with 25 mm of contact. Use Carlisle CCW EZ Flash to detail 100% of all rough opening faces.
- .2 Wall and Roof Junction: Lap sheet barrier Type 1 from wall vapour barrier with 150 mm of contact over firm bearing to roof vapour barrier with 100 mm of contact. Peel and stick air/vapour system of wall to lap minimum 2" with peel and stick air/vapour barrier system with roof.
- .3 Sheet Metal Roofing: Lap sheet barrier Type 3 at eave protection, all valley, ridge and corner joints as indicated at eaves, Type 3 to extend minimum 2' within interior space.

**END OF SECTION**

**PART 1 GENERAL**

**1.1 Scope of Work**

- .1 Requirements of the Conditions of the Contract and of Division 1 of these Specifications apply to all work in this Section.

**1.2 Extent of Work**

- .1 Provide roof curbs for all roof mounted equipment.

**1.3 Submittals**

- .1 Submit 5 copies of manufacturer's literature and complete shop drawings of fabrication and installation of items of this Section to the Engineer prior to installation.

**PART 2 PRODUCTS**

**2.1 Roof Curbs**

- .1 General: Provide roof curbs capable of supporting superimposed live and dead loads, including equipment loads and other construction to be supported on roof curbs. Coordinate dimensions with rough-in information or shop drawings of equipment to be supported.
- .2 Fabrication: Unless otherwise indicated or required for strength, fabricate units from minimum 14 ga. (.0747" thick), structural quality, hot dip galvanized or aluminum zinc alloy coated steel sheet; factory primed and prepared for painting with welded or sealed mechanical corner joints.
- .3 Use curbs with height to extend 12" above the top of finished roofing surface. Consider and compensate for presence and thickness of roof insulation when ordering.
- .4 Provide curbs with 1-1/2" insulation, #3 density on exterior curb face, extending full height from bottom to top of curb.

**PART 3 EXECUTION**

**3.1 Installation of Curbs**

- .1 Install curbs per shop drawings and manufacturer's recommendations.
- .2 Verify all locations with HVAC drawings and actual locations of roof joists.
- .3 Install gaskets on the same day the roof mounted units are set on curbs.

**END OF SECTION**

**PART 1 GENERAL**

**1.1 Work Included**

- .1 Preparing sealant substrate surfaces.
- .2 Sealant and backing at all locations where different materials come in contact, and where called out in the drawings.

**1.2 Related Work**

- .1 Section 051220 – Pre-Engineered Metal Buildings: Sealants used in conjunction with exterior openings and adjacent materials.
- .2 Section 072500 - Vapor and Air Barriers: Sealants used in conjunction with vapor and air barrier continuity
- .3 Section 088000 - Glazing: Sealants used in conjunction with glazing methods.

**1.3 References**

- .1 ASTM D1565 - Flexible Cellular Materials - Vinyl Chloride Polymers and Copolymers Open Cell Foam, CAN2-19.13M - Sealing Compound, One Component, Elastomeric, Chemical Curing.
- .2 CAN2-19.24M - Sealing Compound, Multi-Component, Chemical Curing.
- .3 CGSB 19-GP-2M - Glazing Compound, Non-hardening, Modified Oil Type.
- .4 CGSB 19-GP-5M - Sealing Compound, One Component, Acrylic Base, Solvent Curing.
- .5 CGSB 19-GP-14M - Sealing Compound, (1) Component, Butyl Polyisobutylene Polymer Base, Solvent Curing, CGSB 19-GP-17M- Sealing Compound, (1) Component, Acrylic Emulsion Base.
- .6 CGSB 19-GP-18M - Sealing Compound, One Component, Silicone Base, Solvent Curing.
- .7 CGSB 19-GP-21M - Sealing and Bedding Compound for Acoustical Purposes.
- .8 CGSB 19-GP-22M - Sealing Compound, Mildew Resistant, for Tubs and Tile.
- .9 CGSB 19-GP-23 - Guide to the Selection of Sealants on a Use Basis.
- .10 Sealant and Waterproofers Institute - Sealant and Caulking Guide Specification.

**1.4 Quality Assurance**

- .1 Manufacturer: Company specializing in manufacturing the products specified in this Section with three years documented experience.
- .2 Applicator: Company specializing in applying the work of this Section with three years documented experience.
- .3 Conform to Sealant and Waterproofers Institute requirements for installation & CGSB 19-GP-24.

**1.5 Installation Instructions**

- .1 Submit manufacturer's installation requirements of Section 01600.
- .2 Submit surface preparation instructions.

**1.6 Environmental Requirements**

- .1 Perform work to requirements of Section 01500.
- .2 Do not install solvent curing sealants in enclosed building spaces.
- .3 Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.
- .4 Sealant and Substrate materials to be minimum 5°C

**1.7 Coordination**

- .1 Coordinate work with other trades.
- .2 Coordinate the work of this Section with all Sections referencing this Section.

## 1.8 Warranty

- .1 Provide a warranty under provisions of PWGSC.
- .2 Warranty includes: Coverage of installed sealants and accessories which fail to achieve air tight and watertight seal, exhibit loss of adhesion or cohesion, or do not cure.

## PART 2 PRODUCTS

### 2.1 Sealants

- .1 Acrylic Sealant Type A: CGSB 19-GP-5M, Single component, solvent curing, non-staining, non-bleeding, non-sagging, color as selected. Tremco 830  
Elongation Capability 7.5 to 12%  
Service Temperature Range -25 to 82° C  
Shore A Hardness Range 25 to 50
- .2 Butyl Sealant Type B: CGSB 19-GP-14M, Single component, solvent release, non-skinning, non-sagging, butyl-polybutylene compound, black color, Tremco Butyl Sealant.
- .3 Acoustical Sealant Type C: CGSB 19-GP-21M, single component, non-skinning, high solids content, synthetic rubber, non-corrosive to metals or concrete, non-sagging, color as selected to match adjacent materials. Tremco Acoustical Sealant.
- .4 Polyurethane Sealant Type D: CGSB CAN 19. 13-M 87, Single component, chemical curing, non-staining, non-bleeding, capable of continuous water immersion, non-sagging, self leveling type, color as selected. Dymonic manufactured by Tremco, Perma Pol RC-1 manufactured by P.R.C. Canada, NP1 manufactured by Sonneborn.  
Elongation Capability 25%  
Service Temperature Range -40 to 80° C  
Shore A Hardness Range 20 to 35
- .5 Polyurethane Sealant Type E: CGSB CAN 2-19.24-M 80 Multi-component, chemical curing, non-staining, non-bleeding, capable of continuous water immersion, non-sagging, self-leveling Type, color as selected. Dymeric manufactured by Tremco, Perma Pol RC-2 manufactured by P.R. C. Canada, NP2 manufactured by Sonneborn.  
Elongation Capability 25%  
Service Temperature Range -40 to 82° C  
Shore A Hardness Range 20 to 35
- .6 High Density Polyurethane Foam combined with Latex Modified Asphalt Type F: Emseal Manufactured by Emseal Corporation.
- .7 Silicone Sealant Type G: CGSB 19-GP-18M, Single component, solvent curing, non-sagging, non-staining, fungus resistant, non-bleeding, color as selected. 786 manufactured by Dow Corning; Proglaze manufactured by Tremco.  
Elongation Capability 25%  
Service Temperature Range -54 to 82° C  
Shore A Hardness Range 15 to 35
- .8 Silicone Sealant Type H: CGSB 19-GP-22M, Single component, fungus resistant, chemical curing, non-sagging, non-staining, non-bleeding, color as selected. 796 manufactured by Dow Corning.  
Elongation Capability 25%  
Service Temperature Range -54 to 82° C  
Shore A Hardness Range 15 to 35

### 2.2 Accessories

- .1 Primer: Non-staining type, recommended by sealant manufacturer to suit application.

- .2 Joint Cleaner: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.
- .3 Joint Backing: ASTM D1056 D1565; round, open cell polyethylene foam rod; oversized 30 to 50% larger than joint width; Shore A hardness 10, tensile strength 140 to 100 KPa; Sof-Rod manufactured by Tremco.
- .4 Bond Breaker: Pressure sensitive type recommended by sealant manufacturer.

### **PART 3 EXECUTION**

#### **3.1 Inspection**

- .1 Verify that surfaces, joint openings are ready to receive work and field measurements are as shown on drawings and recommended by manufacturer.
- .2 Beginning of installation means acceptance of substrate

#### **3.2 Preparation**

- .1 Clean and prime joints in accordance with manufacturer's instructions.
- .2 Remove loose materials and foreign matter, which might impair adhesion of sealant.
- .3 Verify that joint backing and release tapes are compatible with sealant.
- .4 Prepare in accordance with ASTM C804 for solvent release and C790 for latex base sealants.
- .5 Protect elements surrounding the work of this Section from damage or disfiguration.

#### **3.3 Installation**

- .1 Install sealant in accordance with manufacturer's instructions.
- .2 Measure joint dimensions and size materials to achieve required width/depth ratios.
- .3 Install joint backing to achieve a neck dimension no greater than 1/3 the joint width.
- .4 Install bond breaker where joint backing is not used.
- .5 Apply sealant within recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
- .6 Install sealant free of air pockets, other embedded matter, ridges, & sags, & tool joints concave.

#### **3.4 Cleaning and Repairing**

- .1 Clean Work under provisions of 01700.
- .2 Clean adjacent soiled surfaces.
- .3 Repair or replace defaced or disfigured finishes caused by work of this Section.

#### **3.5 Protection of Completed Work**

- .1 Protect finished installation and adjacent work to requirements of Section 01600.
- .2 Protect sealants until cured.

#### **3.6 Schedule**

	<b>Location</b>	<b>Type</b>	<b>Colour</b>
.1	PVC Window Perimeter and Openings	A	to be determined
.2	Interior Demising Walls	A	to be determined
.3	Foundation	D	to be determined
.4	Poly Vapor Retarder	A	to be determined

**END OF SECTION**