

*This section includes on site (in situ) applied, low GWP polyurethane foam, by spray, primarily for use as an air barrier and thermal insulation as supplied by BASF Canada Inc. This specification includes components required by the spray polyurethane foam (SPF) manufacturer for the foam application to be considered a complete assembly. Refer to applicable Spec Notes prior to substituting any of the specified components, as alternate products may defeat the performance of the product.*

**GENERAL DESCRIPTION:**

*WALLTITE® CM01 is a purple, closed cell, medium density, **low Global Warming Potential (GWP)**, spray applied polyurethane foam insulation and air barrier. Available in two reactivity grades: WALLTITE CM01 regular, and WALLTITE CM01 Cold Temperature (WALLTITE CM01 CT). Unless specified, all references to WALLTITE CM01 in this Technical Product Data sheet refer to both grades of WALLTITE CM01.*

**GLOBAL WARMING POTENTIAL:**

*WALLTITE® CM01 utilizes an HFO blowing agents (GWP<1), reducing impact on global warming. For further information refer to ASTM Environment Product Declaration Number: EPD-085.*

**CCMC LISTING:**

*WALLTITE® CM01 is included in the following documents;  
CCMC 14100-L – Spray-Applied Rigid Polyurethane Foam Insulation  
CCMC 13659-R for Air Barrier System  
CCMC 14152-R for Radon Control*

**USES:**

*WALLTITE® CM01 by BASF Canada Inc. is intended to provide insulation and air barrier material for building enclosures, located in appropriate assembly locations in buildings during enclosure construction.*

**SUPERIOR THERMAL RESISTANCE:**

*WALLTITE® CM01 is tested to the latest CAN/ULC-S770-09 standard achieving a higher LTTR than traditional insulation products resulting in reduced conductive heat loss and lower energy consumption.*

**PRODUCT MANUFACTURE EXPERIENCE:**

*With over 25 years' experience in spray polyurethane foam insulation, BASF Canada is well equipped to understand the challenges of the Canadian climate. Consumers can rest assured that they are working with the leading spray foam manufacturer in both residential and commercial construction.*

**QUALITY INSTALLATION:**

*Certification of installers is required by the CAN/ULC S705.2-05 Installation Standard. WALLTITE® CM01 is installed by applicators that are trained through BASF Canada's QATP (Quality Assurance and Training Program) and are certified and licensed by Caliber Quality Solutions.*

**WEATHERING DURABILITY:**

*WALLTITE® CM01 can be installed and left without any cladding for up to 6 months.*

THIS MASTER SPECIFICATION IS A GUIDE ONLY AND MUST BE REVIEWED AND MODIFIED AS REQUIRED TO SUIT INDIVIDUAL PROJECT CONDITIONS. IT IS THE RESPONSIBILITY OF THE ARCHITECT, ENGINEER AND/OR DESIGN PROFESSIONAL, AS APPLICABLE, TO ENSURE THE ACCURACY AND COMPLETENESS OF THE SPECIFICATIONS ISSUED. WALLTITE CM01 MUST BE APPLIED BY PERSONNEL TRAINED BY BASF AND CERTIFIED BY CALIBER IN ACCORDANCE WITH ALL APPLICABLE LAWS, RULES, REGULATIONS AND GUIDELINES.

***FIRE PROTECTION:***

*Building code regulations may require an additional fire protective coating or cover over this insulation type; Consult with building code regulations and design professionals to ensure proper protective coatings or cover is provided where appropriate.*

***NOTE:***

*This material is not intended to be used for roofing applications. This section includes proprietary and descriptive type specifications; edit text to avoid conflicting requirements.*

*For more information, refer to our technical webpage on: [www.walltite.com](http://www.walltite.com)*

**Part 1            General**

**1.1                SECTION INCLUDES**

*In this article, select the components or assemblies that are intended to be part of the content of this section and will not be included in other sections.*

- .1        Foamed-in-place polyurethane [in masonry cavity walls] [in exterior framed walls] [ to exterior or interior of below grade walls] [under slabs on ground] [as a radon barrier] [to locations indicated], intended to function as an air barrier and provide thermal protection.
- .2        Installation of transition membranes, through wall flashings and membranes at openings, and over construction, control and expansion joints, at junctions between different assemblies and at penetrations.

**1.2                RELATED SECTIONS**

*In this article, indicate those other sections that inter-rely on this section. The listing below is only partial and should be edited to include those sections specific to the project that describes subjects or products affecting this section directly.*

- .1        Section [04 26 16 - Veneer Masonry] [\_\_\_\_\_]: Cavity wall flashings.
- .2        Section [04 27 23 - Cavity Wall Unit Masonry] [\_\_\_\_\_]: Wall construction.
- .3        Section 07 26 00 - Vapour Barriers: Materials continuing the vapour seal.
- .4        Section 07 27 00 - Air Barriers: Materials continuing the air barrier seal.

**1.3                REFERENCES**

*Edit this article after editing the rest of this section. Only list reference standards below, that are included within the text of this section, when edited for a project specification - delete other references that do not apply.*

- .1        Environmental Product Declaration EPD-085, ISO 14025.
- .2        ASTM C411-05 - Standard Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation.

- .3 ASTM C1338-08 - Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings.
- .4 ASTM D1621-10 - Standard Test Method for Compressive Properties Of Rigid Cellular Plastics.
- .5 ASTM D1622-08 - Standard Test Method for Apparent Density of Rigid Cellular Plastics.
- .6 ASTM D1623-09 - Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics (Type C sample).
- .7 ASTM D2126-09 - Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging.
- .8 ASTM D2369-10, Standard Test Method for Volatile Content of Coatings.
- .9 ASTM D2842-06 - Standard Test Method for Water Absorption of Rigid Cellular Plastics.
- .10 ASTM D2856-94(1998) - Standard Test Method for Open-Cell Content of Rigid Cellular Plastics by the Air Pycnometer.
- .11 ASTM D6226 - Standard Test Method for Open Cell Content of Rigid Cellular Plastics.
- .12 ASTM E96/E96M-10 - Standard Test Methods for Water Vapor Transmission of Materials.
- .13 CAN/ULC S102-10 - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.
- .14 CAN/ULC S127-07 - Standard Corner Wall Method of Test for Flammability Characteristics of Non-Melting Building Materials.
- .15 CAN/ULC S705.1-15 - Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material – Specification.**
- .16 CAN/ULC S705.2-05 - Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Application.
- .17 CAN/ULC S770-09 - Standard Test Method for Determination of Long-term Thermal Resistance of Closed-Cell Thermal Insulating Foams.**
- .18 CAN/ULC S774-03 - Standard Laboratory Guide for the Determination of Volatile Organic Compound Emissions from Polyurethane Foam.
- .19 Canadian Construction Materials Centre (CCMC) Evaluation Report CCMC 14100-L, 13659-R, 14152-R

- .20 CAN/ULC-S124 - Standard Method of test for the evaluation of Thermal Barriers for Foamed Plastic
- .21 ISO/IEC 17020: 2012 Conformity assessment — Requirements for the operation of various types of bodies performing inspection
- .22 CALIBER Quality Solutions Handbook Site Quality Assurance Program (SQAP) Handbook. Visit <https://qap.caliberqa.com/en/>

#### 1.4 ADMINISTRATIVE REQUIREMENTS

- .1 Section [01 31 00] [\_\_\_\_]: Project management and coordination procedures.
- .2 Coordination:
  - .1 Coordinate with other work having a direct bearing on work of this section.
  - .2 Coordinate work to ensure timely placement of insulation within construction spaces.
- .3 Pre-installation Meetings: Convene [one (1)] [\_\_\_\_] week before starting work of this section.

#### 1.5 SUBMITTALS FOR REVIEW

- .1 Section [01 33 00] [\_\_\_\_]: Submission procedures.
- .2 Sprayed polyurethane foam (SPF) installer certificate: Provide a copy of the Certification Cards for all installers confirming they are licensed and certified by CALIBER and approved by the spray foam manufacturer.
- .3 Product Data: Provide product description, insulation properties, preparation requirements [and overcoat properties].

*Include the following ONLY if specifying for a LEED project. Specify only the technical requirements necessary to achieve the credits desired for this project.*

- .4 Sustainable Design:
  - .1 Section [01 35 18] [\_\_\_\_]: LEED documentation procedures.
  - .2 Provide required LEED documentation for Product [recycled content,] [regional material content,] [low-emitting material information].

#### 1.6 SUBMITTALS FOR INFORMATION

*The following submittals are optional for confirmation of specified products. Products intended to be provided by other non-specified manufacturers require conformation of acceptance by these submittals and will be assessed for acceptability.*

- .1 Section [01 33 00] [\_\_\_\_]: Submission procedures.

*When manufacturer's instructions for specific installation requirements are referenced in PART 3 Execution, include the following request for submittal of those instructions. Edit the PART 3 statements to avoid conflict with manufacturer's instructions.*

- .2 Installation Data: Submit manufacturer's special installation requirements, perimeter conditions requiring special attention, and [\_\_\_\_\_].
- .3 Testing Reports: Submit as performed by the manufacturer or the SQAP Third Party Site Auditor as required by CAN/ULC S705.2 and the CALIBER Handbook.
- .4 Daily Reports: As required by CAN/ULC S705.2.
- .5 Adhesion tests at transition membranes as per BASF application guidelines.

### **1.7 CLOSEOUT SUBMITTALS**

*Include the following submittal requirements when confirmation of changes that that are intended to be made or may have been made, prior to project completion; and prior to final inspection or project completion. Consider altering the following text according to questionable or unexpected conditions.*

- .1 Section [01 78 10] [\_\_\_\_\_]: Submission procedures for products not approved in an initial submission or where changes were made, apply.

*Include the following ONLY if specifying for a LEED project.*

- .2 Sustainable Design Closeout Documentation: [\_\_\_\_\_].

### **1.8 QUALITY ASSURANCE**

*This article includes statements that require quality applicable to the whole section. If it is desirable or required for a manufacturer of a product to be ISO 9000/14000 certified, include such statement below. Select the appropriate optional text to suit a Project's expectations or intent.*

- .1 Products of this Section:
  - .1 Listed with Canadian Construction Materials Centre (CMCC) certifying product is in compliance with the standard CAN/ULC S705.1-15 for use as insulation in accordance with the National Building Code of Canada 2015.
  - .2 Certified as a Soil Gas (Radon) barrier as confirmed by CCMC Report # 14152-R.
  - .3 GREENGUARD Certification.
  - .4 GREENGUARD Gold Certification.
  - .5 Environmental Product Declaration: EPD-085 according to ISO 14025.
  - .6 Eco Logo Certified Product
- .2 Spray Polyurethane Foam (SPF) Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum twenty-five (25) years documented experience.
- .3 Spray Polyurethane Foam (SPF) Contractor Qualifications:

- .1 Company specializing in performing the work of this section with minimum [three (3)] [ ] years documented experience.

*BASF offer a QATP Quality Assurance and Training Program.*

- .2 Certified by Caliber Quality Solutions as having successfully completed the BASF QATP.
- .3 For applications to control RADON: Completion of the BASF QATP-WALLTITE CM01 for Radon Control Training Program.

- .4 SQAP Third Party Site Auditor: For BASF WALLTITE, ISO 17020 certified, Caliber Quality Solutions. <https://qap.caliberqa.com/en/>

*The following table indicates the minimum number of site audits. If the specifier would like more inspections than shown, they must clearly state the number of inspections required so the contractor can carry the appropriate cost.*

- .1 Arrange for site audits by SQAP Third Party Site Auditor. Schedule the number of site audits in accordance with the following schedule:

Coverage Area, sq. m. (sq. ft.)	No. of Site Reviews
1- 3,252 (1 – 35,000)	0
3,253 – 6,506 (35,000 – 70,000)	1
6,507 – 9,758 (70,001 – 105,000)	2
9,759 – 13,001 (105,001 – 140,000)	3
Over 13,002 (over 140,000)	4

- .5 On-Site Documentation:

- .1 Maintain a copy of the CALIBER and manufacturer’s technical manual on site during application of polyurethane foam.
- .2 Compile Daily Work Records chronologically and maintain on site during application.
- .3 Apply Job Site Label in prominent location approved by Owner.

## 1.9 AIR BARRIER TESTING REQUIREMENTS

*When the transition membrane is to be installed by another trade for warranty purpose (such as the windows installer), the adhesion tests must be performed and approved by the certified SPF installer prior to spraying the polyurethane spray foam.*

*Allow access to the job site to any BASF or Caliber Quality Solutions representative for the purpose of technical assistance to verify SPF installer certification or for a review under the BASF SQAP Site Quality Assurance Program.*

- .1 Conduct adhesion tests daily in accordance with CAN/ULC S705.2. Record test results in Daily Reports.

.2 Adhesion Testing:

*Perform adhesion test in accordance with BASF Application Guidelines.*

- .1 Conduct adhesion testing between the transition membranes and, [sheathing], [masonry][\_\_\_\_\_] and [other substrates] for compliance in accordance with the manufacturer's guidelines for use in an air barrier application.
- .2 Conduct adhesion testing between the polyurethane foam and [transition membranes], [sheathing], [masonry][\_\_\_\_\_] and [other substrates] for compliance in accordance with the manufacturer's guidelines for use of SPF in an air barrier application, and to CAN/ULC-S705.2
- .3 Report non-compliant test results along with corrective action taken to the [Consultant][Manufacturer] and include in daily report.

**1.10 REGULATORY REQUIREMENTS**

*Only include this article when required by applicable code criteria.*

- .1 Conform to applicable code for protection of foamed plastics.

**1.11 MOCK-UP**

*Use this article for assessing full sized erected assemblies for review of construction, coordination of work of several sections, testing, or observation of operation. A mock-up may also be used for assessing field applied finishes.*

- .1 Section [01 43 00] [\_\_\_\_]: Requirements for mock-up.
- .2 Provide a [<[\_\_\_\_] sq m><<[\_\_\_\_] sq ft>>] mock-up including [wall construction] [window and frame] [door frame] [\_\_\_\_].
- .3 Locate [where directed by Consultant] [\_\_\_\_].
- .4 Approved mock-up [may] [may not] remain as part of the Work.

**1.12 ENVIRONMENTAL REQUIREMENTS**

- .1 Section [01 35 26] [\_\_\_\_]: Environmental conditions affecting products on site.

*Ensure the specified ambient and surface temperature requirements required by specified manufacturers are included in this article.*

- .2 Do not install insulation when ambient temperature is outside [<-15°C to +40°C><<+5°F to +104°F>>].
- .3 Occupancy: In accordance with CAN/ULC-S774, occupancy is only permitted following delivery of minimum 0.3 air changes per hour for 24 hours following installation.

**1.13 COORDINATION**

- .1 Coordinate with other work having a direct bearing on work of this section.

- .2 Coordinate work to ensure timely placement of insulation within construction spaces.

## Part 2 Products

### 2.1 MANUFACTURERS

*This article is for proprietary specifying. If specifying products by reference to standards only, care must be exercised in editing this delete this article.*

- .1 BASF Canada Inc. Product: WALLTITE CM01
- .2 Substitutions: [Refer to Section 01 62 00] [Not permitted].

*Edit the following descriptive specifications to identify project requirements and to eliminate any conflict with manufacturer's products cited.*

### 2.2 SPRAY POLYURETHANE FOAM INSULATION/AIR BARRIER

*Insulation material may be specified either by generic name with identifying insulation characteristics OR by reference to CAN/ULC-S705.1-15. Coordinate with Article 2.1.*

- .1 Polyurethane Foam Insulation, Air Barrier and Radon Barrier: Closed cell, spray applied polyurethane foam (ccSPF), medium density, meeting the requirements of CAN/ULC-S705.1-15 as confirmed by a valid CCMC listing. LTTR values as tested to CAN/ULC S770-09, GREENGUARD Gold (ULE) Certified. Product to utilize Low GWP (Global Warming Potential) HFO blowing agent. WALLTITE CM01 by BASF and Represented by Building Resource Inc. [www.buildingresource.ca](http://www.buildingresource.ca)
- .2 Compliance with the standard CAN/ULC S705.1-15 confirmed by CCMC 14100-L
- .3 Compliance as an air barrier system confirmed by CCMC 13659-R
- .4 Compliance as a Radon Barrier as confirmed by CCMC 14152-R.
- .5

*WALLTITE CM01 has a Water Vapour Permeance (to ASTM E96) of less than 60ng/Pa•s•m<sup>2</sup> @ 50mm as required by the National Building Code of Canada.*

*IMPORTANT: Use of WALLTITE CM01 in environments having sustained high humidity levels (i.e. >55% RH), a separate vapour barrier membrane may be required.*

- .1 Performance Requirements:
  - .1 Water Vapour Permeance ASTM E96:
    - .1 50mm: 56.3 ng/Pa-s-sq m (0.98 Perms)
  - .2 Flame Spread Classification CAN/ULC S102: Flame Spread < 500, Smoke Developed <500.

*Hot surface performance as may be requested by Authorities Having Jurisdiction.*



- .3 Hot Surface Performance ASTM C411: Passed when exposed to 93 deg C for 96 hours.
- .4 Fungi Resistance ASTM C1338: No fungal growth after 28 day incubation.
- .5 Long Term Thermal Resistance (LTTR): Conform to the following when tested to CAN/ULC S770-09: RSI: m<sup>2</sup>.K/W (R: ft<sup>2</sup>.hr.°F/BTU)
  - .6 50.0 mm (1.97 in.) RSI 1.82 (R10.3)
  - .7 50.8 mm (2.00 in.) RSI 1.85 (R10.5)
  - .8 63.5 mm (2.50 in.) RSI 2.37 (R13.5)
  - .9 75.0 mm (2.95 in.) RSI 2.83 (R16.1)
  - .10 76.2 mm (3.00 in.) RSI 2.88 (R16.4)
  - .11 88.9 mm (3.50 in.) RSI 3.39 (R19.3)
  - .12 100.0 mm (3.94 in.) RSI 3.84 (R21.8)
  - .13 102.0 mm (4.00 in.) RSI 3.90 (R22.1)
- .2 Physical Requirements:
  - .1 Colour: Purple with Indicator Dye Technology.
  - .2 Density ASTM D1622: Minimum 29.6 kg/cu m (1.85 lb/cu ft).
  - .3 Compressive Strength ASTM D1621: 236 kPa (34.2 psi).
  - .4 Tensile Strength ASTM D1623: 313 kPa (45.34 psi).
  - .5 Open Cell Content ASTM D2856: 5.6 %.
  - .6 Water Absorption ASTM D2842: 0.58 % by volume.
- .3 Sustainable Requirements:
  - .1 Low GWP (Global Warming Potential): Utilizing HFO blowing agent, GWP <1.

### 2.3 AIR BARRIER COMPONENTS

*Consultant to review the installation methods, details and ancillary products identified in the BASF Technical Binder. Where specific products have been laboratory tested the Consultant shall accept that those products establish the minimum parameters for acceptance of work of this Section.*

*Substitution for alternative products must be carefully evaluated and, in all cases, alternative products must be tested to confirm that the adhesion to the membrane product achieves a minimum strength as required by the CAN/ULC S705.2 for the type of application. In Cavity Wall applications the required adhesion is 103 kPa (15 psi) when tested in accordance with ASTM D1623*

- .1 Primers: As required by CAN/ULC S705.2, Annex A and to suit environmental conditions at time of application.
- .2 Transition Membrane: Self-adhering SBS modified bitumen sheet membrane with laminated polyethylene film facer:
  - .1 Thickness: [ $<1.0\text{ mm}><<40\text{ mils}>>$ ] minimum.

- .2 Air Leakage: < 0.005 L/s.m<sup>2</sup>@ 75 Pa to ASTM E283-91.
- .3 Vapour Permeance: 2.8 ng/Pa.m<sup>2</sup> (.05 Perms) to ASTM E96.
- .4 Low Temperature Flexibility: -30°C to CGSB 37-GP-56M.
- .5 Elongation: 200% to ASTM D412 modified.
- .6 Acceptable Products: [Tremco ExoAir 110] [Henry Bakor Blueskin SA] [Soprema Soproseal Stick 1100T] [IKO AND BASF air barrier membranes] [\_\_\_\_\_].  
Manufacturer's adhesion testing is required for other products to be considered.

*Masonry Through-wall Flashings are typically specified in Division 04 (i.e. Section 04 26 16).  
Coordinate material selection and application with air barrier membrane. Edit the following paragraphs accordingly.*

- .3 Through-Wall Flashing: refer to masonry specification section.  

**[OR]**
- .4 Through-Wall Flashing: [Self-adhering] SBS modified bitumen membrane with laminated polyethylene film facer:
  - .1 Performance Requirements: Meeting or exceeding the properties of the transition membrane.
  - .2 Acceptable Products: [Henry Bakor Blueskin TWF] [\_\_\_\_\_]. Manufacturer's adhesion testing is required for other products to be considered.
- .5 Sealant: Mastic, synthetic rubber compound required by manufacturer to suit environmental conditions at time of application:

*For LEED projects, include the following.*

- .1 VOC Limit: Maximum [\_\_\_\_ g/l].
- .6 Insulation Foam Stops: low thermal conductivity, extruded PVC angles, 1.5mm (60 mils) thick. JAM-EX® as distributed by SRP Canada Inc.
- .7 Thermal Barrier for the protection of Spray Polyurethane Foam: spray applied intumescent thermal barrier coating meeting the requirements of classification B when tested in conformance with CAN/ULC-S124, "Test for the Evaluation of Protective Coverings for Foamed Plastic" as referenced in the OBC Sentence 3.1.5.12A.(2)) and Certified for Canada as confirmed by a current UL Listing. Finish is white with a semi-gloss sheen. Flame Seal-TB-C™ Manufactured by Flame Seal Products (UL CAW07.R38231) and represented by Building Resource Inc www.buildingresource.ca

## **2.4 EQUIPMENT**

- .1 Comply with CAN/ULC S705.2 and the equipment manufacturer's recommendations for specific type of application.

### **Part 3 Execution**

#### **3.1 EXAMINATION**

- .1 Section [01 70 00] [\_\_\_\_\_]: Verify existing conditions before starting work.
- .2 Verify work within construction spaces or crevices is complete prior to insulation application.
- .3 Verify that surfaces are clean, dry, and free of matter that may inhibit adhesion.

#### **3.2 PREPARATION**

- .1 Mask and protect adjacent surfaces from over spray or dusting.

*Determine if a primer is required for certain substrates.*

- .2 Apply primer in accordance with manufacturer's written instructions.
- .3 Prime all metal and non-porous surfaces as required by polyurethane foam manufacturer's written instructions.
- .4 Ensure that work by other trades that may penetrate through the air barrier is in place and complete.
- .5 Provide transition membranes [and through wall flashings] as indicated prior to polyurethane foam application.

*Include the following text paragraphs only if through-wall flashings are provided by this Section.*

- .6 Through-wall flashing membrane:
  - .1 Apply through-wall flashing membrane along the base of masonry veneer walls and over shelf angles as detailed.
  - .2 Prime surfaces and allow to dry, press membrane firmly into place, over lap minimum 75 mm (3 inches) at all end and side laps. Promptly roll all laps and membrane to ensure the seal.
  - .3 Applications shall form a continuous flashing membrane and shall extend up a minimum of 200 mm (8 inches) up the back-up wall.
  - .4 Install through-wall flashing membrane and extend 13 mm (1/2 inch) from outside edge of veneer.
  - .5 Apply approved caulking at base of membrane and foundation wall.

#### **3.3 INSTALLATION**

*The Consultant should review the installation details included in the BASF Technical Binder and ensure that applicable plan and section details are included on the Drawings. The Consultant is advised to contact a BASF representative for applications not specifically included in the BASF Technical Binder.*

- .1 Apply insulation to CAN/ULC-S705.2 and manufacturer's written instructions.

- .2 For applications as a Radon Barrier, install in accordance with the BASF QATP-WALLTITE CM01 for Radon Control Training Program and at a minimum thickness of 50mm.
- .3 Apply insulation by spray method, to a uniform monolithic density without voids, in lifts not exceeding 50 mm thickness in a single pass.

*Specify insulation either by applied thickness or by required insulation value. In selecting the first option, product data information is required; site verification of applied thickness is necessary. Where thickness varies with location, include a schedule at the end of this section.*

- .4 Apply to a minimum cured thickness of [] mm << [] inches >>].

*Refer to BASF Technical Binder for proper installation details and ensure that those details are shown on Drawings.*

- .5 Overlap air barrier transition membranes and other air/vapour barrier materials to ensure continuity of building envelope.
- .6 Finished surface of foam to be free of voids and imbedded foreign objects.
- .7 Remove masking materials and over spray from adjacent areas immediately after foam surface has hardened.
- .8 Repair damaged areas in accordance with SPF manufacturer's application guidelines for insulation in an air barrier.

### **3.4 FIELD QUALITY CONTROL**

*Other special field inspection services may be required, such as building envelope testing, thermographic surveys, etc. If such testing procedures are required, ensure that applicable Division 01 section states who will do the testing and who will pay the cost.*

- .1 Section [01 45 00] []: Field [inspection and] testing.

*Testing for acceptable adhesion of the polyurethane foam to transition membranes, sheathing, masonry and other substrates must be done in accordance with the BASF Technical Binder and CAN/ULC-S705.2*

- .2 Conduct inspections as required by CAN/ULC S705.2 and the manufacturer's application guidelines.
- .3 In a cavity wall application, where adhesion strength of transition membrane is less than 103 kPa (15 psi), mechanically fasten the transition membrane to substrate in accordance with manufacturer's application guidelines.

### **3.5 PROTECTION OF FINISHED WORK**

- .1 Section [01 78 40] []: Protecting installed work.
- .2 Do not permit subsequent construction work to disturb applied polyurethane foam.

### 3.6 SCHEDULES

*The following article will assist in preparing a schedule (of insulation locations) for the project. The following schedule includes are EXAMPLES only. Edit the paragraphs below to create a schedule for the components specified in this section. Do not repeat statements that may exist on drawings.*

- .1 Cavity wall insulation in all exterior walls
- .2 Between framing of exterior walls.
- .3 Interior wall/roof junction.
- .4 Wall construction abutting differing above ceiling materials.
- .5 On the exterior or interior of below or above grade walls (Radon Control)
- .6 On subgrade in under slab applications (Radon Control)
- .7 In other locations as noted on the drawings.

#### END OF SECTION

WALLTITE® CM01 is a registered trade-mark of BASF Canada Inc. All other trade-marks, registered or otherwise, used herein are either a) the trade-marks of the BASF group of companies and may not be used without permission; or b) the trade-marks and trade names of other companies, products and services, and are the property of their respective owners.