

SPECIFICATION

SPEC NOTE: This guide specification is basic and must be adapted to suit the requirements of individual projects. It is written in accordance with the Three-Part Section Format but may be rearranged to suit any format required. Square brackets [] indicate choice, alternatives, data required or need for the specifier to make a decision.

1 General**1.1 SECTION INCLUDES**

- .1 Materials and installation methods for a self-adhered air barrier located in the non-accessible part of the wall.

1.2 RELATED SECTIONS

SPEC NOTE: Re 1.2 Limit the following listings only to sections that have a **DIRECT** effect on this section.

- .1 Section [_____]: Below grade [waterproofing] [dampproofing] membrane.

SPEC NOTE: Re 1.2.2. Specify concrete surfaces to be smooth and without large voids, spalled areas or sharp protrusions.

- .2 Section [_____]: Concrete wall construction.

SPEC NOTE: Re 1.2.3. Specify masonry joints to be flush and completely filled with mortar, with all excess mortar sitting on brick ties to be removed.

- .3 Section [_____]: Masonry wall construction.

- .4 Section [_____]: Steel stud wall construction.

- .5 Section [_____]: Insulation.

- .6 Section [_____]: Fire stopping materials.

- .7 Section [_____]: Roofing membrane [and vapour retarder].

- .8 Section 07900 - Joint Sealers: Sealant materials and installation techniques.

SPEC NOTE: Re 1.2.9 and 1.2.10. Reference all wall appurtenances that penetrate air seal materials or assemblies; as follows.

- .9 Section [_____]: Door frames.

- .10 Section [_____]: Window frames.

1.3 SUBMITTALS

- .1 Product Data: Provide data on material characteristics, performance characteristics, limitations and independent air leakage, sustained wind load and gust wind test data.

1.4 QUALIFICATIONS

- .1 Applicator: Company specializing in performing work of this section approved by air/vapour barrier membrane material manufacturer.

1.5 MOCK-UP

SPEC NOTE: Use 1.5 when specifying full sized erected assemblies required for review of construction, coordination of work of several sections, site testing, education of specific trades involved, or observation of installation.

- .1 Provide mock-up of air barrier materials under provisions of Section [01340].

- .2 Construct typical exterior wall sample panel, [_____] m long by [_____] m wide, incorporating window and door frame and sill, insulation, and junction with roof membrane, illustrating materials interface and seals.

- .3 Locate [where directed].

- .4 Mock-up may [not] remain as part of the work.

- .5 Allow [24] h for inspection of mock-up by [Consultant] before proceeding with air barrier work.

1.6 PRE-INSTALLATION CONFERENCE

- .1 Convene [one week] prior to commencing work of this section, under provisions of Section [01040].

1.7 ENVIRONMENTAL REQUIREMENTS

- .1 Ensure application temperature and humidity recommended by material manufacturer is maintained before, during and after installation.

1.8 SEQUENCING

- .1 Sequence work under the provisions of Section [_____].

- .2 Sequence work to permit installation of materials in conjunction with related materials and seals.

1.9 CO-ORDINATION

- .1 Co-ordinate work of this section with all sections referencing this section.

2 Products

- 2.1 **Air Barrier Membrane:** RUB-R-WALL SA, composite sheets composed of rubberized asphalt integrally bonded to a film of high density cross laminated polyethylene, nominal total thickness of 1.0 mm (40 mils) manufactured by Advanced Coatings Inc. in accordance with physical properties as stated in manufacturer's literature.

- 2.2 Transition Strip Primer: RUB-R-WALL SA Primer manufactured by Advanced Coatings Inc.
2.3 Air Barrier Sealant: RUB-R-WALL mastic manufactured by Advanced Coatings Inc.

3 Execution

3.1 EXAMINATION

- .1 Verify that surfaces and conditions are suitable prior to commencing work of this section.
- .2 Ensure that:
 - .1 surfaces are sound, dry, smooth and regular, and free of all voids, defects and excessive dust.
 - .2 concrete surfaces are cured and dry, smooth without large voids, spalled areas or sharp protrusions. concrete shall be allowed to cure a minimum of 14 days.
 - .3 masonry joints are struck flush.

3.2 PREPARATION

- .1 Remove loose or foreign matter which might impair adhesion of materials.
- .2 All substrates shall be free of surface moisture prior to application of RUB-R-WALL Airtight SA membrane and primer

3.3 PRIMING

- .1 All surfaces to receive RUB-R-WALL SA must be primed with RUB-R-WALL SA Primer applied by brush, roller or spray at the rate of 2-6 m²/L (100-300 sq. ft.) depending on porosity and texture of surface and allowed to dry for 30 minutes. Ensure that all primed surfaces receive RUB-R-WALL SA in the same day or re-priming will be required

3.4 APPLICATION

- .1 Install materials in accordance with manufacturer's instructions.
SPEC NOTE: *Modify the following paragraphs as appropriate to drawing details. Ensure drawings utilize same terminology used in this section. Alternatively, schedule specific applications at end of this section. Self-adhered air/vapor barrier materials should be placed over firm backup to achieve structural support in order to accomplish an effective and permanent air seal.*
- .2 Apply membrane to the primed surface according to manufacturer instructions. Typically begin membrane installation at the base of wall areas.
- .3 Membrane shall be overlapped a minimum of 50 mm (2") on end and side laps.
- .4 Position membrane for alignment, roll back, remove protective film and press firmly in place. When membrane is entirely in place, firmly press by means of a hand roller to ensure continuous contact with the substrate.
- .5 When using membrane with brick ties, position membrane, press in place and cut for ties or projections.
- .6 Seal area around all ties and any protrusions with application of Rub-R-Wall Mastic.
- .7 Seal end of membrane where it meets the substrate, at the end of each days work. Use application of RUB-R-WALL Mastic.
- .8 Before covering RUB-R-WALL SA with cavity insulation, inspect and repair as necessary any punctures, damaged areas, or improperly lapped seams. Repairs shall be made using RUB-R-WALL SA appropriately sized to extend a minimum a 100 mm (4") in all directions from the perimeter of the affected areas.
SPEC NOTE: *Re 3.3.9. Specify installation of board or spray insulation in insulation section of specification or specify here as desired.*
- .9 Rub-R-Wall SA can be left exposed for six weeks however good practice calls for application of insulation as soon as possible to protect damage by other trades.
- .10 Adhere insulation to air barrier membrane to prevent convection currents occurring behind the insulation. Wedges or clips are normally used to secure the insulation.

3.4 PROTECTION OF FINISHED WORK

- .1 Protect finished work under provisions of Section [_____] - [_____].
- .2 Do not permit adjacent work to damage work of this section.