

SPECIFICATION DATA SHEET



RUBBER POLYMER
COMPANY
INNOVATIONS IN MOISTURE CONTROL

RUB-R-WALL SA AIR BARRIER

1. PRODUCT NAME

Self-Adhered Air Barrier:
Rub-R-Wall SA

2. MANUFACTURER

Rubber Polymer Company LLC
www.rpcinfo.com

address:

5760 County line road
Cumming, Georgia
30040

Tel: (770) 410-1545

3. PRODUCT DESCRIPTION

Basic Use: Primarily intended as a non-accessible air barrier for all types of cavity wall construction e.g. over exterior face of inner wythe of masonry cavity wall. Rub-R-Wall SA can also be used in conjunction with Rub-R-Wall Airtight Spray-Applied Membrane as a transition membrane. Rub-R-Wall SA is also used for tying into metal on curtain walls, windows and door frames.

New construction or retrofit.

For commercial, industrial and institutional applications.

Composition and Materials:

Rub-R-Wall SA is a self-adhering, cold applied composite sheet membrane comprised of 36 mils of rubberized asphalt integrally bonded to a 4 mil. film of high density cross-laminated polyethylene for a minimum thickness of 40 mils.

Rub-R-Wall SA meets all of the principal requirements and design criteria for a properly constructed air barrier for the building envelope, namely:

- provides a continuous, durable air barrier;
- resistance to air flow;
- resistance to vapor drive;
- provided an effective drainage plain in a cavity (secondary drainage) wall;
- structural soundness, capable of resisting wind and other loads, over its expected life span;
- continuity throughout the building envelope;

- provides a structurally sound air barrier capable of resisting wind, stack effect and mechanical pressurization

Thickness: 40 mils

Coverage: Roll Width - (18" x 75')
Coverage - (112.5 sq. ft.)

Coverage based on 2" side and end laps.

Color: white

Limitations: Not designed to perform as a permanently exposed membrane. Product designed to withstand job site exposure for six weeks, however, good practice calls for covering as soon as possible.

4. TECHNICAL DATA

Applicable Standards: See Physical Properties Chart.

5. INSTALLATION

Preparatory Work: Refer to Examination section of specification for substrate requirements by others (new construction).

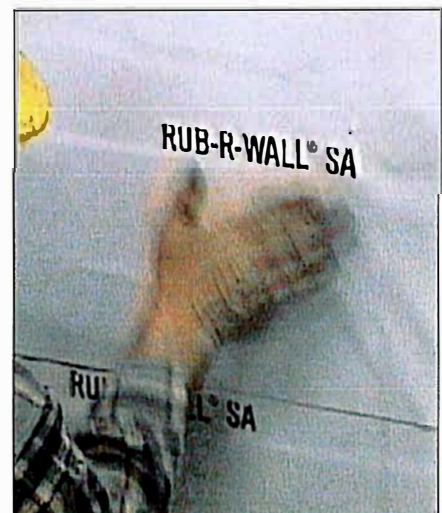
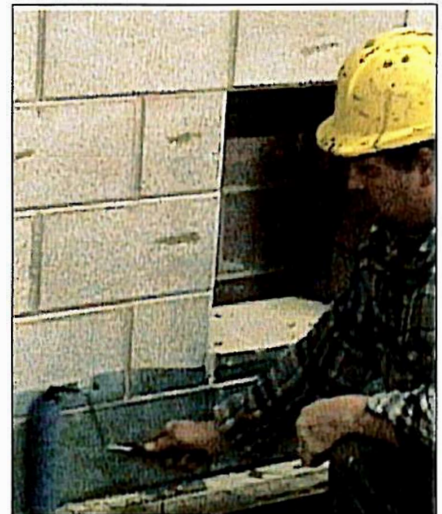
Under the work of the air barrier section of work, the following preparatory requirements include:

- 1) Ensure that all surfaces are dry, smooth and regular, free of all voids, defects and excessive dust.
- 2) Concrete surfaces must be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of 14 days and must be dry before Rub-R-Wall SA is applied.
- 3) Prime all surfaces to receive Rub-R-Wall SA using Rub-R-Wall Primer applied by roller, brush or spray equipment at a rate of 100-300 sq. ft./gallon depending on porosity and texture of surface. Allow primer to dry prior to membrane installation. Ensure that all primed surfaces receive Rub-R-Wall SA in the same day.

Methods: Refer to guide specification

for detailed application information.

Typically begin membrane installation at the base of all wall areas. Rub-R-Wall SA must be lapped a minimum of 2" on both side and end laps. Position membrane for alignment, roll back, remove protective film and press firmly in place. The membrane shall be firmly pressed in place by means of a hand roller, thereby ensuring continuous contact with the substrate. When using membrane with brick ties, position membrane, press in place and cut for ties or projections. Seal around any openings with Rub-R-Wall Airtight Mastic.



Typical Physical Properties*

PROPERTY	TEST METHOD	TEST RESULTS
Total Thickness		40 Mils.
Puncture Resistance - Film	ASTM-D-781	110 kg/CM
Puncture Resistance of Composite Membrane	ASTM E-154	40 Min.
Tensile Strength of Composite	ASTM-D-412 modified	750 PSI Min.
Elongation of Rubberized Asphalt	ASTM-D-882 modified	400% Min.
Water Vapor Transmission (Permeance)	ASTM-E-96 method B (Grains/Sq. Ft./Hr. in HG)	0.05 Max.

5. INSTALLATION (continued)

Rub-R-Wall SA is applied within the recommend application temperature range (may be applied successfully at temperatures as low as 22 °F.

A board type cavity wall insulation is adhered to the Rub-R-Wall SA to prevent convection currents occurring behind the insulation. Wedges or clips are normally used to secure the insulation.

6. AVAILABILITY AND COST

Availability: Rub-R-Wall Airtight SA is available across the United States, usually shipped from stock. Contact Rubber Polymer Company LLC for list of Distributors.

Cost: Current price list available from Distributors along with standard conditions of sale.

7. WARRANTY

The information herein is the best available relating to Rub-R-Wall Airtight SA, and the recommendations contained herein are based on tests believed to be reliable. We warrant our products to be of merchantable quality and suitable for the purpose for which it is intended. We do not make any other warranty, express or implied, statutory or otherwise.

8. MAINTENANCE

Rub-R-Wall Airtight SA membrane does not require any maintenance. Damaged areas are easily repaired by using the appropriately sized membrane sized to extend a minimum of 4" in all directions from the perimeter of the affected area.

9. TECHNICAL SERVICES

Technical support is available from Rubber Polymer Company LLC.
Tel: (770) 410-1545

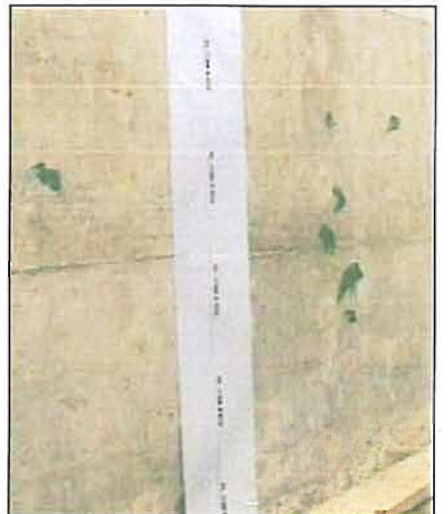
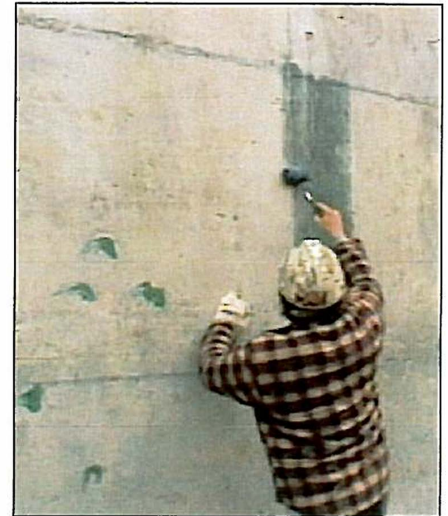
Specification assistance.

Site advice and recommendations.

10. RELATED REFERENCES

Construction Specifications Canada (CSC) Tek-Aid 07195 Air Barriers (Digest, and Master Specification).

"An Air Barrier for the Building Envelope, National Research Council Canada, Proceedings Building Science Insight '86."



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 or data required 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 affect 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 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 vapor 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, 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/vapor 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, [_____] ft. long by [_____] ft. wide, incorporating window, doorframe, 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 40 mils manufactured by Rubber Polymer Company LLC in accordance with physical properties as stated in manufacturer's literature.

SPECIFICATION CONTINUED

2.2 Transition Strip Primer: RUB-R-WALL SA Primer manufactured by Rubber Polymer Company LLC

2.3 Air Barrier Sealant: RUB-R-WALL Mastic manufactured by Rubber Polymer Company LLC.

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 and 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 100 - 300 sq. Ft./gallon depending on porosity and texture of surface and allowed to dry for 30 minutes. Ensure that all primed surfaces receive RUB-R-WALL SA on 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 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 4" in all directions from the perimeter of the affected areas
SPEC NOTE: *Re 3.3.9. Specify installation of board 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.