

WrapShield RS Rain Screen is a highly vapor permeable Water Resistive Barrier (WRB) and Air Barrier (AB) membrane with a built-in rain screen drainage matrix and integrated tape at the horizontal seams.

- Create rain screen cavity with one step installation
- Easily maintain vertical drainage plane
- Replaces furring strips and battens
- Works with all types of cladding and stucco systems

### Built-in Rain Screen Drainage Matrix

- High performance matrix maintains unimpeded vertical drainage plane
- Rain screen cavity increases drying capacity of building envelope
- Multiple depth drainage matrix options: 3mm or 7mm
- 3mm matrix creates minimal rain screen cavity, facilitating conventional installation of siding, trim, and windows
- 7mm matrix offers enhanced drainage performance for code and/or more demanding applications

### Cost and Labor Savings

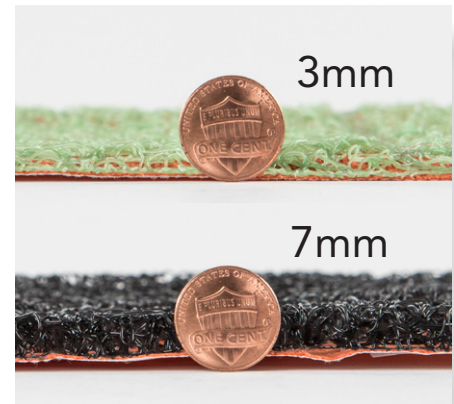
- One step installation of WRB and rain screen cavity reduces installation time
- Innovative integrated tape and horizontal lap guides ensures proper shingle installation
- Factory installed integrated tape and fully-tested accessories reduce contractor liability and take the guesswork out of product selection
- Single source savings eliminates purchase of additional tapes or rain screen components
- Can be used as part of an air barrier system reducing energy use for the life of the building

### Phase Construction Friendly

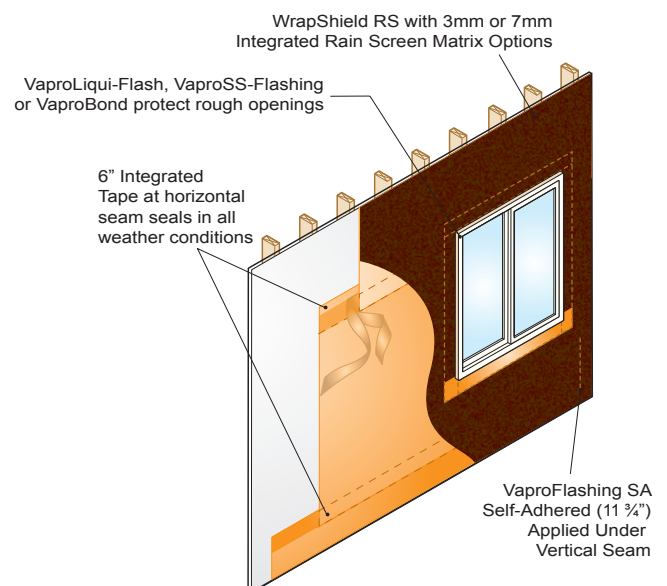
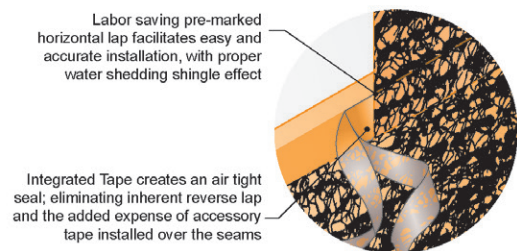
- Install year round in all climates, no construction setbacks
- No special equipment required
- Sustains up to 180 days of exposure before cladding installation

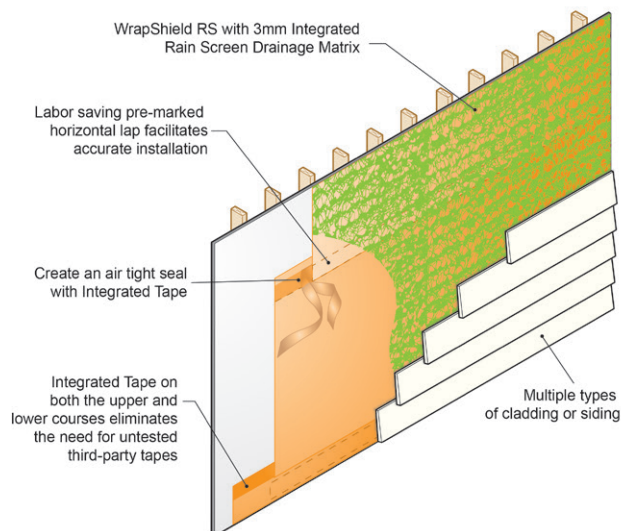
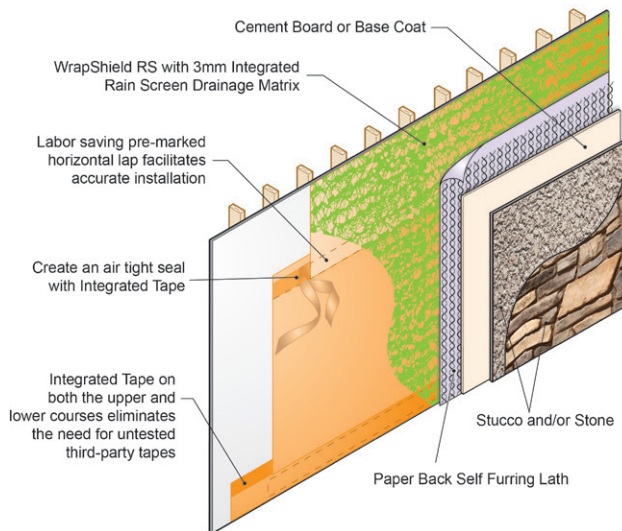
### Environmental Sustainability and Durability

- Emits Zero VOC's, no exposure to harmful chemicals
- Contributes to LEED points
- Contributes to the lifelong health and energy efficiency of the building
- Guaranteed long-term durability with standard 20 year material warranty



Two rain screen drainage matrix choices offer cost saving options



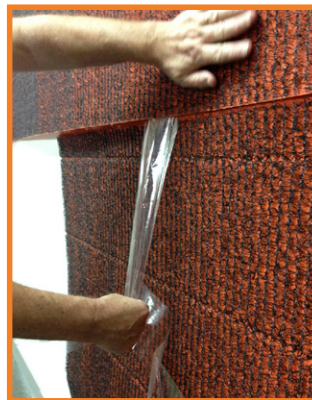


### WrapShield RS with 3mm Rain Screen Matrix

Tested in accordance with ICC-ES AC 308 criteria to meet IBC and IRC requirements for Water Resistant Barriers.

| PROPERTY   | STANDARD/TEST   | RESULT  |
|--|---|---|
| <b>AIR BARRIER TESTING</b>                         |   |   |
| Air Permeance of Building Materials                | ASTM 2178<br>(required for Massachusetts Energy Code and Air Barrier Association of America criteria) | 0.0095 L/s/m <sup>2</sup><br>0.0019 cfm/ft <sup>2</sup><br><b>PASS</b>              |
| Air Leakage through Wall Systems                   | ASTM E-283  | 0.00017 L/s/m <sup>2</sup><br>0.000034 cfm/ft <sup>2</sup><br><b>PASS</b>           |
| Air Retarder Materials & Systems                   | ASTM E-1677   | Type 1 Air Barrier<br><b>PASS</b>   |
| Dry Breaking Force                                 | ASTM D5034  | MD - 44.8 lbf/inch (7.8 N/mm)<br>CD - 25.1 lbf/inch<br><b>PASS</b>                  |
| Water Resistance (control and weathered specimens) | AATCC 127<br>(55cm hydrostatic head of water for 5 hrs)   | No leakage noted on underside of control or weathered samples. <b>PASS</b>          |
| Water Vapor Transmission                           | ASTM E96*<br>(Method B)   | 308.9 g/m <sup>2</sup> 24hrs<br>2860 ng/Pa/s/m <sup>2</sup><br>50 Perms <b>PASS</b> |
| Flamespread Index                                  | ASTM E-84   | Class A <b>PASS</b>   |
| Smoke Development Index                            | ASTM E-84   | Class A <b>PASS</b>   |

\*ASTM E 96 - Method B (wet cup method) typically gives a more realistic result for permeance for highly permeable products than does the Method A (dry cup/desiccant method).



Factory installed integrated tape seals in all weather conditions and eliminates water concerns at horizontal joints.

Visit [VaproShield.com](http://VaproShield.com) for:



Comprehensive Testing Data



Installation Instructions



Details