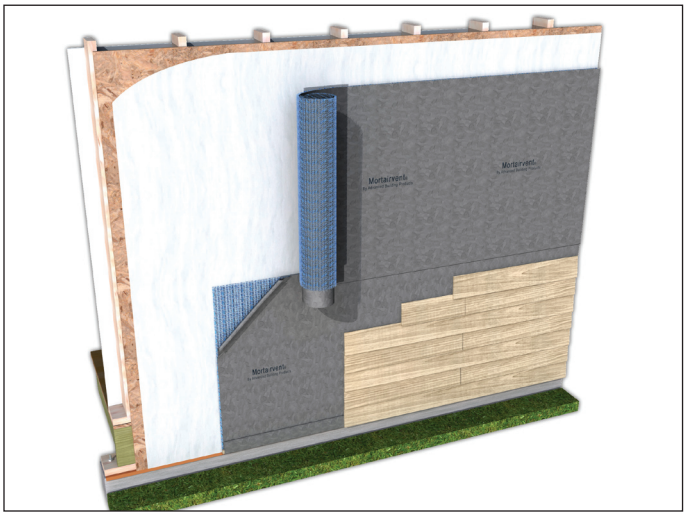
ADVANCED Building Products Inc.

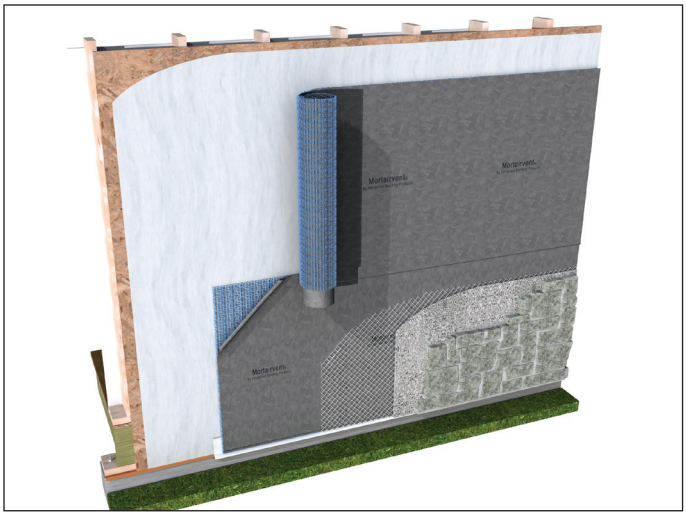
mortairvent®
Advanced Rainscreen Solutions
www.mortairvent.com

Mortairvent® | Rainscreen Drainage Mat for Exterior Siding

DESCRIPTION

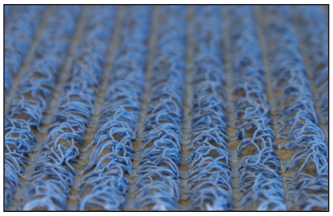
When building exterior walls with stone, stucco, brick, cedar, or fiber cement siding, it is important to use an effective rainscreen system that will provide a means for drainage and ventilation. Moisture will find its way into these wall systems by way of cracked mortar joints, gaps or cracks in the surface of the material. Natural absorption of the wood or fiber cement also needs to be considered. Once this moisture penetrates the outer surface of the wall, it becomes trapped in the wall system with no way to escape, creating the perfect environment for toxic mold growth and possible structural failure. Mortairvent® is a drainage and ventilation system specifically designed for use with most exterior siding materials.



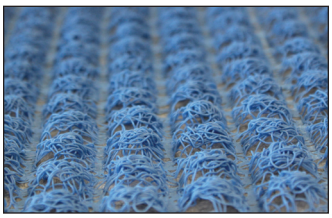


BENEFITS

- 95% open design creates a continuous capillary break and channel for moisture to drain and accelerates drying of the exterior cladding
- Durable polymer material is resistant to most known corrosive chemicals and does not provide a food source for mold or mildew
- Minimizes staining, peeling, and blistering of exterior finishes
- Made from recycled materials qualifying for LEED credits
- Simple and quick to install. Easier and more cost effective than traditional furring strip methods
- 2-ply design features a backer fabric that improves the tensile and compressive strength properties of the rainscreen. The fabric also serves to deflect mortar when used with stucco or a masonry veneer siding
- Integrated insect screen



Mortairvent® (.25 in. / 6mm)



Mortairvent® (.40 in. / 10mm)

INSTALLATION INSTRUCTIONS

- Apply a weather resistant barrier over sidewall sheathing.
- Note: some regions may require two layers of weather resistant barrier. Check local codes for more information.
- Install Mortairvent® after windows and doors have been properly installed and flashed. Starting at the base of the wall unroll Mortairvent® from right to left with the four-inch fabric flap at the bottom, the three-dimensional (blue) polymer matrix against the weather resistant barrier and the fabric facing the exterior of the building. Staple or nail every three square feet.
- On the first (bottom) course only, un-fold the four-inch fabric flap and tuck it between the (blue) polymer matrix and the weather resistant barrier to create an insect screen.
- On intermediate courses, butt blue polymer material together tightly without overlapping. Pull four inch fabric flap over previous course (shingle style) and staple.
- On top course, invert the roll and unroll left to right with the four-inch fabric flap at the top. Unfold the fabric flap and tuck it between the (blue) matrix and the weather resistant barrier to create an insect screen.
- Apply siding over Mortairvent® using manufacturer's recommended fasteners and spacing.

PHYSICAL DATA	Mortairvent® 202	Mortairvent® 203
Core Material	Polypropylene (cornrow)	Polypropylene (waffle)
Thickness	0.25 in. (6 mm)	.40 in. (10 mm)
Roll Length	61.5 ft. (18.75 m)	40 ft. (12.19 m)
Roll Width	39 in. (99.06 cm)	39 in. (99.06 cm)
Roll Weight	14 lbs. (6.35 kg)	16 lbs. (7.26 kg)
Coverage Area	200 sq. ft. (18.58 m^2)	130 sq. ft. (12.08 m^2)

TECHNICAL DATA Mortar Deflection, Ventilation, & Drainage Mat Options	Mortairvent® 202	Mortairvent® 203
Mortar Deflection & Ventilation Material Thickness	.25 in. (6 mm)	.40 in. (10 mm)
Density / Specific Gravity (ASTM D 792, Method A)	0.901 g/cm^3	0.903 g/cm^3
Porosity (open space) ECTC TASC00197)	93.8 %	95.3 %
Mass / Unit Area (composite) (ASTM D 5261 / D 6566	11.25 oz/sq.yd	15.10 oz/sq.yd
Hydraulic Transmissivity (ASTM D 4716)	3.70 gpm/ft width	7.01 gpm/ft width
Air Transmissivity (ASTM D 4716, mod)	15.8 cu.ft/min/ft width	54.5 cu.ft/min/ft width
Flame Spread & Smoke Index (ASTM E 84)	Class A Fire Rated	Class A Fire Rated

Mortairvent® 10mm product meets the physical requirements of Section 9.27.2.2, Item 1b of the 2005 National Building Code of Canada and 2006 British Columbia Building Code.

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Phone: 800-252-2306
Fax: 207-490-2998
info@advancedflashing.com
www.advancedflashing.com

U.S. GREEN BUILDING COUNCIL MEMBER