

Table I. Walls With Atlas EnergyShield® PRO & EnergyShield® PRO2 Polyisocyanurate Insulation

Wall Component	Materials
Base Wall System – Use Either 1, 2 or 3	<ol style="list-style-type: none"> Concrete wall. Concrete Masonry wall. 1 layer – 5/8-inch thick Type X Gypsum wallboard on interior, installed over steel studs: minimum 3 5/8-inch depth, minimum 20 gauge at a maximum of 24-inch OC.
Floorline Firestopping	<ol style="list-style-type: none"> 4 lb/cu ft. mineral wool (e.g. Thermafiber) in each stud cavity at each floorline – attached with Z-clips or equivalent.
Cavity Insulation – Use Either 1, 2 or 3	<ol style="list-style-type: none"> None. Any noncombustible insulation (faced or unfaced). Fiberglass (Batt type Class A ASTM E84 faced or unfaced)
Exterior Sheathing – Use Either 1, 2 or 3	<ol style="list-style-type: none"> None (if concrete wall or masonry wall or with brick veneer cladding). 5/8-inch thick, Type X exterior type gypsum sheathing. Minimum 2 inch Thick Concrete Precast panels attached to structural elements of the building.
Water-Resistive/Air Barrier Applied to Exterior Sheathing - Use Either 1 or 2	<ol style="list-style-type: none"> None. Use any barrier listed in Table II below.
Exterior Continuous Insulation – Use Either 1 or 2	<ol style="list-style-type: none"> Atlas EnergyShield® PRO – 4 inch maximum thickness. Atlas EnergyShield® PRO2 – 4 inch maximum thickness.
Board Joints / Flashing – Use Either 1 or 2	<ol style="list-style-type: none"> None. Flash all exterior insulation joints and as an option veneer tie penetrations with a 4-inch width of one of the following: <ul style="list-style-type: none"> BT25XL™ by Protecto-Wrap Any UL Listed tape by Venture Tape® Aluminum foil tape Asphalt or Butyl-based flashing tape Acrylic tape <p>Note: A small amount of spray primer may be used to aid in adhesion; maximum 5-inch width.</p>
Flashing Of Window, Door And Other Exterior Wall Penetrations	<ol style="list-style-type: none"> As an option, flash window, door and other exterior penetrations with limited amounts of any tape specified in "Flashing" above – max. 12-inch width.
Exterior Veneer – Use Either 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10	<ol style="list-style-type: none"> Brick – Use brick veneer anchors, any standard type, installed maximum 24 inches OC vertically on each stud. Maximum 2-inch air gap between exterior insulation and brick. Use any standard nominal 4-inch thick, clay brick. Stucco – Minimum 3/4-inch thick or greater, exterior cement plaster and lath. A secondary water-resistive barrier can be installed between the exterior insulation and the lath. The secondary water-resistive barrier shall not be full-coverage asphaltic or butyl-based self-adhered membranes. Minimum 2-inch thick, Limestone or natural stone veneer or minimum 1-1/2 inch thick cast artificial stone veneer. Any standard installation technique can be used. Terracotta cladding – Use any terracotta cladding system in which terracotta is minimum 1-1/4 inch thick. Any standard installation technique can be used. MCM System - Use any Metal Composite Material system that has been successfully tested by the panel manufacturer via the NFPA 285 test method. Any standard installation technique can be used. Metal skin noncombustible exterior wall coverings using steel or copper. Any standard installation technique can be used. Fiber Cement or Cement board siding – Any standard installation technique can be used. Stone/Aluminum honeycomb composite building panels that have successfully passed NFPA 285 criteria. Autoclaved-aerated-concrete (AAC) panels that have successfully passed NFPA 285 criteria. Reynobond ZCM zinc alloy composite panel system - Any standard installation technique can be used.

Table II. Allowed Air/Water Resistive Barrier - Over Sheathing

1. Certainteed Certawrap®	7. Henry Air-Bloc 31MR	13. Grace® Perm-A-Barrier VPS	19. STS® Wall Guardian FW-100A
2. Pactiv Green Guard® Max Building Wrap	8. Henry® Envirocap	14. Prosoco® R-Guard Spray Wrap	20. Dupont® Fluid Applied
3. Dupont Tyvek® Commercialwrap®	9. Henry Air-Bloc® 21 FR	15. Prosoco® R-Guard MVP	21. Any WRB that has been tested per ASTM E1354 (at a min. of 20 kW/m2 heat flux) and shown by analysis to be less flammable (improved Tign, Pk. HRR) than those listed above 2
4. Dow Chemical Weathermate® or Weathermate® Plus	10. Henry® VP 160	16. Prosoco® R-Guard VB	
5. Henry Air-Bloc® 33 MR	11. BASF® Enershield HP 160	17. Prosoco® R-Guard Cat-5	
6. Henry Air-Bloc® 32MR	12. BASF® Enershield 1	18. Tremco® Exo-Air 230	

Disclaimer: The sole purpose of the information provided in this sheet is to identify materials that have been tested or approved for use in assemblies via independent NFPA 285 tests. Design use of these products and assemblies must always follow local codes. Atlas Roofing Corporation assumes no responsibility for building design or construction, which is solely the responsibility of the owner, architect, engineer or contractor. By providing this information, Atlas Roofing Corporation is not making, and specifically disclaims, any recommendations, warranties, or guarantees with respect to any of the listed material options.