NFPA 285 Wall Assemblies
MasterSeal® AWB | Atlas EnergyShield Pro or EnergyShield Pro 2 | Various Veneers

Note: This is a summary of various wall assemblies that meet the requirements of NFPA 285.

<table>
<thead>
<tr>
<th>WALL COMPONENTS</th>
<th>MATERIALS</th>
</tr>
</thead>
</table>
| **Base Wall System** | 1. Concrete wall.  
  – Use either 1, 2 or 3  
  2. Concrete Masonry wall.  
  3. 1 layer – 5/8 TYPE X gypsum board on interior, installed over steel studs: minimum 3-5/8-inch depth, minimum 20 gauge at a maximum of 24-inch O.C. |
| **Floorline Fire Stopping** | 4 lb/cu ft. mineral wool in each stud cavity at each floorline |
| **Cavity Insulation** | 1. None  
  – Use either 1, 2 or 3  
  2. Any non-combustible insulation (faced or unfaced)  
  3. Fiberglass (Batt type Class A ASTM E84 faced or unfaced) |
| **Exterior Sheathing** | 1. None (if concrete wall or masonry wall)  
  – Use either 1, 2 or 3  
  2. 5/8-inch thick, Type X Gypsum Sheathing  
  3. Minimum 2-inch Thick Concrete Precast panels attached to structural elements of the building |
| **Water-Resistive/Air Barrier Applied to Exterior Sheathing, Concrete or Masonry** | 1. MasterSeal AWB 660  
  2. MasterSeal AWB 660 I  
  3. MasterSeal AWB 665 |
| **Exterior Continuous Insulation** | 1. Atlas EnergyShield PRO - 4-inch maximum thickness  
  – Use either 1 or 2  
  2. Atlas EnergyShield PRO2 - 4-inch maximum thickness |
| **Board Joints / Flashing** | 1. 4-inch wide MasterSeal AWB 971 FIB installed over all horizontal and vertical joints, embedded in MasterSeal AWB 660, 660 I, 665  
  2. MasterSeal AWB 900 installed over all horizontal and vertical joints |
| **Exterior Veneer** | 1. 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.  
  2. Stucco - Minimum 3/4-inch thick or greater, exterior cement plaster and lath. A secondary water-resistant barrier can be installed between the exterior insulation and the lath. The secondary water-resistant barrier shall not be full-coverage asphaltic or butyl based shelf-adhered membranes.  
  3. Minimum 2-inch thick, Limestone or natural stone veneer or minimum 1-1/2-thick cast artificial stone veneer. Any standard installation technique can be used.  
  4. Terracotta cladding - Use any terracotta cladding system in which terracotta is minimum 1-1/4-inch thick. Any standard installation technique can be used.  
  5. Metal skin noncombustible exterior wall coverings using steel or copper. Any standard installation technique can be used.  
  6. Fiber Cement or Cement board siding - Any standard installation technique can be used.  
  7. Stone/Aluminum honeycomb composite building panels that have successfully passed NFPA 285 criteria.  
  8. Autoclaved-aerated-concrete (AAC) panels that have successfully passed NFPA 285 criteria.  
  9. Reynobond ZCM zinc alloy composite panel system - Any standard installation technique can be used. |