**NFPA 285 Wall Assemblies**

MasterSeal® AWB | Mineral Wool Continuous Insulation | Non Combustible Veneers or Metal Composite Material (MCM)

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>
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| **Base Wall System** | 1. Concrete wall  
Use either 1, 2 or 3 |
|                  | 2. Concrete Masonry wall  
Use either 1, 2 or 3 |
|                  | 3. 1 layer - 5/8 Type X gypsum board over: 3-5/8-inch deep, 20 GA galvanized steel studs, maximum 24-inch O.C.  
Use either 1, 2 or 3 |
| **Floorline Fire Stopping** | 4 lb/cu ft. mineral wool (e.g. Thermafiber) 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)  
Use either 1, 2 or 3 |
|                  | 3. 4-inch thick mineral wool insulation sheet  
Use either 1, 2 or 3 |
| **Exterior Sheathing** | 1. None (if concrete wall or masonry wall or with brick veneer cladding)  
Use either 1 or 2 |
|                  | 2. 5/8-inch thick Type X exterior gypsum sheathing  
Use either 1 or 2 |
| **Water-Resistive/Air Barrier Applied to Exterior Sheathing, Concrete or Masonry** | 1. MasterSeal AWB 660  
Use either 1, 2 or 3 |
|                  | 2. MasterSeal AWB 660 I  
Use either 1, 2 or 3 |
|                  | 3. MasterSeal AWB 665  
Use either 1, 2 or 3 |
| **Exterior Continuous Insulation** | 1. None  
Use either 1 or 2 |
|                  | 2. Mineral wool insulation  
Use either 1 or 2 |
| **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, or 665.  
Use either 1 or 2 |
|                  | 2. MasterSeal AWB 900 installed over all horizontal and vertical joints  
Use either 1 or 2 |
| **Exterior Wall Covering** | 1. Any non combustible exterior wall covering material (steel panel, aluminum panel, brick, stucco, clay brick, concrete, stone, etc.) using any standard installation technique.  
Use either 1 or 2 |
|                  | 2. Any Metal Composite Material (MCM) system (including Aluminum Composite Material (ACM) systems) that has been successfully tested by the panel manufacturer in accordance with the NFPA 285 test method. Any standard installation technique can be used.  
Use either 1 or 2 |