### NFPA 285 Wall Assemblies

**MasterSeal® AWB | Hunter Xci Ply | Various Cladding**

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

<table>
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<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  
3. 1 layer – 5/8-inch interior gypsum board over: 3-5/8-inch deep, 20 GA galvanized steel studs, 24-inch O.C. |
| **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)  
3. Fiberglass batt (faced or unfaced) |
| **Exterior Sheathing** | 1. None (if concrete wall or masonry wall)  
– Use either 1, 2 or 3  
2. 1/2-inch thick exterior gypsum sheathing (for Base Wall System 3 above)  
3. 5/8-inch thick Type X exterior gypsum sheathing (for Base Wall System 3 above) |
| **Water-Resistive/Air Barrier Applied to Exterior Sheathing, Concrete or Masonry** | 1. MasterSeal AWB 660  
2. MasterSeal AWB 660 I  
3. MasterSeal AWB 665 |
| **Water-Resistive/Air Barrier Applied to Exterior Continuous Insulation** | 1. Maximum 4 1/4-inch Hunter Xci Ply (3 1/2-inch foam maximum, 3/4-inch FR plywood maximum) |
| **Board Joints / Flashing** | 1. 4-inch wide MasterSeal AWB 971 FIB installed over all horizontal and vertical joints, embedded in MasterSeal AWB 660, 660 l, or 665.  
2. MasterSeal AWB 900 installed over all horizontal and vertical joints. |
| **Exterior Wall Covering** | 1. Brick – Standard type brick veneer anchors, installed a maximum 24-inches on center, vertically on each stud with maximum 2-inch air gap between exterior insulation and brick. Brick to be standard nominal 4-inch thick clay brick installed in a running bond pattern using Type S mortar.  
2. Stucco – Minimum 3¼-inch thick, exterior cement plaster and lath.  
3. Minimum 2-inch thick natural stone (granite, limestone, marble, sandstone).  
   Any standard non-open jointed installation technique can be used.  
4. Minimum 1-½ inch thick concrete masonry unit (CMU), pre-cast concrete, or artificial cast stone.  
   Any standard non-open jointed installation technique can be used.  
5. Minimum 1-¼ inch thick terra cotta non-open jointed. Any standard non-open jointed installation technique can be used.  
6. Cement board siding (maximum 2-inch air gap).  
7. Any MCM/ACM that has passed NFPA 285 (maximum 2-inch air gap). |