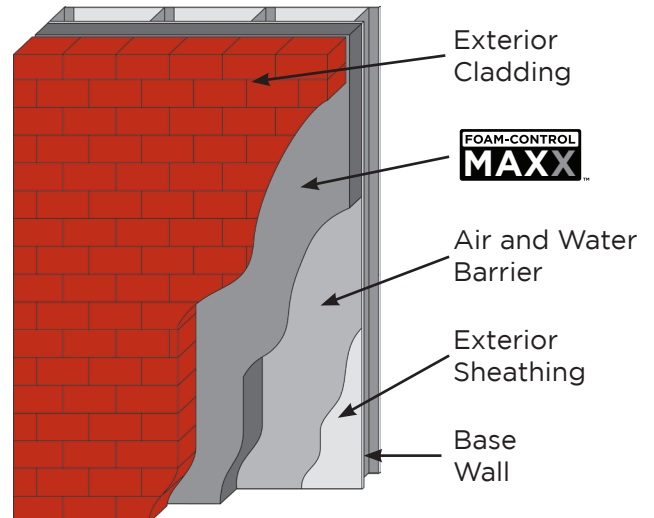


Building codes are established to provide structural, fire, and life safety requirement for all buildings. Building codes have specific requirements for materials, insulation, structural, and fire performance.

A key building code requirement is providing NFPA 285 compliant wall assemblies. Numerous assemblies which include Foam-Control MAX® as an insulation component have successfully passed the rigorous NFPA 285. The NFPA 285 test results along with engineering analysis by leading fire consultants provide for the use of a wide range of exterior wall designs for NFPA 285 compliant assemblies incorporating Foam-Control MAX.



<b>Wall Assemblies with Foam-Control MAX Exterior Continuous Insulation (ci)</b>	
<b>Base Wall Options</b>	
<ol style="list-style-type: none"> <li>1. <b>Cast Concrete Wall</b></li> <li>2. <b>CMU Concrete Wall</b></li> <li>3. <b>Steel Stud Framed Wall</b> <ol style="list-style-type: none"> <li>a. 25 GA. (min.) 3 5/8" (min.) steel studs spaced 24" o.c. (max.)</li> <li>b. Lateral Bracing Every 4 ft. vertically</li> <li>c. 5/8" Type X Gypsum Wallboard Interior</li> <li>d. Cavity Insulation                             <ol style="list-style-type: none"> <li>i. None</li> <li>ii. Any Class A, B, or C Fiberglass batt insulation (faced or unfaced)</li> <li>iii. Any noncombustible insulation</li> </ol> </li> <li>e. Any 1/2" (min.) Exterior Gypsum Sheathing</li> </ol> </li> </ol>	
<b>Water Resistive Barrier / Air Barrier Options Over Base Wall</b>	
<ol style="list-style-type: none"> <li>1. <b>None</b></li> <li>2. <b>BASF Enershield HP</b></li> <li>3. <b>BASF Enershield I</b></li> <li>4. <b>Carlisle Barritech NP</b></li> <li>5. <b>Carlisle Barritech VP</b></li> </ol>	<ol style="list-style-type: none"> <li>6. <b>Dupont Fluid Applied WB</b></li> <li>7. <b>Dupont Tyvek Commercialwrap (1 or 2 layers)</b></li> <li>8. <b>Grace Perm-A-Barrier VPS</b></li> <li>9. <b>Tremco EXOAir 230</b></li> </ol>
<b>Foam-Control MAX Exterior Insulation Options</b>	
<ol style="list-style-type: none"> <li>1. 7" (max.) Foam-Control MAX 150</li> <li>2. 5-1/4" (max.) Foam-Control MAX 250</li> </ol>	

### Exterior Cladding Options

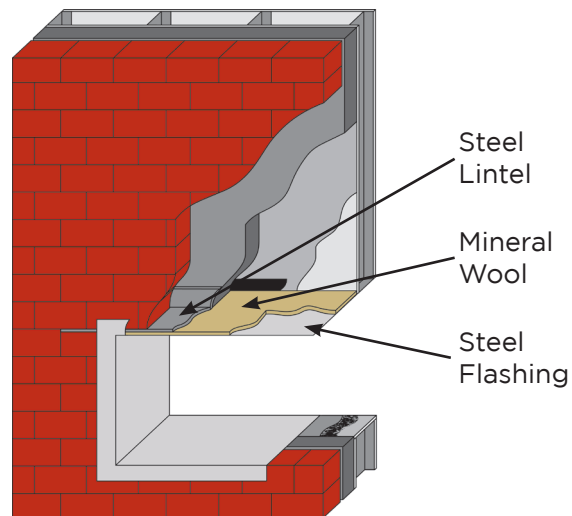
1. **Brick** - Nominal 4" clay brick or veneer with 2" (max.) air gap behind the cladding. Brick with ties/anchors 24" o.c. (max.)
2. **Concrete** - 2" (min.) with 2" (max.) air gap behind the cladding
3. **Concrete Masonry Units** - 4" (min.) with 2" (max.) air gap behind the cladding
4. **Limestone** - 2" (min.) with non-open joints installation technique such as shiplap
5. **Natural Stone Veneer** - 2" (min.) with non-open joints installation technique such as shiplap
6. **Precast Artificial Stone** - 1-1/2" (min.) complying with ICC-ES, AC 51 with non-open joint installation technique
7. **Terra Cotta Cladding** - 1-1/4" (min.) solid with non-open joint installation technique such as shiplap
8. **Stucco** - 3/4" (min.) exterior cement plaster and lath

### Fire Stopping at Floor Line Options

1. Mineral wool fiber fire stop in each stud cavity at floor line. Thickness equal to stud cavity depth. Follow manufacturer instruction for installation.

### Window Header Detail

1. 25 GA. (min.) sheet metal (steel) flashing with 1" thick, 4 pcf mineral wool over interior of sheet steel
2. Header design equal or better than item 1



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