

# NFPA 285 Wall Assembly ArmorWall PB Structural Insulated Sheathing™

This is a summary of various ArmorWall assemblies that meet and have been tested to the requirements of NFPA 285.

WALL COMPONENTS	MATERIALS
<b>Base Wall System</b> Use either 1, 2, or 3	<ol style="list-style-type: none"><li>1. Steel Stud – Min. 3 5/8” depth 20-gauge stud at max. of 16” OC covered on interior with (1) layer of min. 5/8” Type X Gypsum Board</li><li>2. Concrete Wall</li><li>3. Concrete Masonry Unit Wall</li></ol>
<b>Cavity Insulation</b> Use either 1 or 2	<ol style="list-style-type: none"><li>1. Mineral Wool – stud cavity filled</li><li>2. Glass Fiber – stud cavity filled</li></ol>
<b>Exterior Sheathing</b>	Min. 5/8” thick exterior gypsum sheathing
<b>Water-Resistive Barrier applied to Exterior Sheathing</b>	<ol style="list-style-type: none"><li>1. DuPont Tyvek Commercial Wrap or Commercial Wrap D</li></ol>
<b>Composite Exterior Sheathing</b>	MaxLife ArmorWall PB - Max. 3 3/4” thickness installed with fasteners spaced max. 12” OC with joints oriented horizontally or vertically
<b>Opening Finishing</b>	5/8” nominal composite exterior sheathing without insulation attached to open return of composite sheathing cut edge with polyurethane concealing entire cut edge of panel surrounding opening
<b>Exterior Finishing and Cladding</b> Use either 1, 2, 3, 4, or 5	<ol style="list-style-type: none"><li>1. Concrete - Min. 2” thick adhered directly to composite sheathing</li><li>2. Concrete Masonry Units – Min. 2” thick adhered directly to composite sheathing</li><li>3. Stone Veneer – Min. 2” thick natural stone veneer adhered directly to composite sheathing</li><li>4. Terracotta Cladding – Min. 1 1/4” thick with any standard non-open joint installation technique such as ship lap</li><li>5. Stucco – Min. 3/4” thick exterior cement plaster lath</li></ol>



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