Rmax ECOMAXci® FR Air Barrier pass the stringent NFPA 285 test within numerous assembly configurations and are approved for use in exterior walls of buildings of any height. This document briefly describes approved options, however, for more specific details, requirements and limitations, refer to third party reports. NFPA 285 is an assembly test and substitution of components is not allowed.

### Approved Components for NFPA 285 Assemblies

<table>
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<tr>
<th>WALL COMPONENT</th>
<th>MATERIAL OPTIONS</th>
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| **Base Wall**           | • Steel studs (3 5/8” 20GA min, 24” o.c. max) with Type X interior gypsum wallboard (1/2” min)  
                          • Concrete or concrete masonry wall                                           
                          • FRTW stud (nominal 2x4 min, 24” o.c. max) with 5/8” Type X interior gypsum wallboard |
| **Floor Line, Fire-Stopping** | • Mineral fiber insulation (4 pcf)                                              
                          • FRTW1 fire blocking                                                          |
| **Cavity Insulation**   | • None                                                                            
                          • Mineral fiber or fiberglass (faced or unfaced)                              
                          • Any non-combustible insulation                                               
                          • Various SPF (requires 5/8” exterior gypsum)                                  |
| **Exterior Sheathing**  | • None (concrete or concrete masonry wall)                                      
                          • None (4 1/2” max exterior insulation claddings 1-8)                          
                          • None (3” max exterior insulation claddings 9-16)                             
                          • Exterior gypsum sheathing (1/2” min)                                        
                          • FRTW1 structural panels (1/2” min)                                           |
| **Exterior Insulation/WRB** | • ECOMAXci® (4.5” max) and R-SEAL 3000 or R-SEAL 2000 LF over insulation joints (6” max) |
| **FRTW Structural Panels Over Insulation** | • None                                                                          
                          • FRTW1 structural panels installed in accordance with applicable code requirements. May be pre-laminated to insulation. |
| **Exterior Cladding Options 1-8** | 1. Brick, standard 4” clay brick with max 2” air gap  
                          2. Stucco, cement plaster (3/4” min) and lath with optional secondary WRB (not asphaltic or self-adhered butyl)  
                          3. Limestone (2” min)                                                         
                          4. Natural stone veneer (2” min)                                              
                          5. Cast artificial stone veneer (1 1/2” min), per ICC-ES AC 51.               
                          6. Precast Concrete Panels (1 1/2” min)                                       
                          7. CMU (1 1/2” min)                                                           
                          8. Terracotta cladding (1 1/4” min)                                            |
| **Exterior Cladding Options 9-16** | 9. Any MCM (aluminum, steel, copper, zinc) passing NFPA 285 with max 2 1/2” air gap  
                          10. Metal panel, uninsulated (aluminum, steel, copper, zinc)                   
                          11. Fiber-cement siding, uninsulated                                          
                          12. Autoclaved-aerated-concrete (AAC) panels passing NFPA 285                
                          13. Stone/aluminum honeycomb composite building panels passing NFPA 285  
                          - Stone Panels, Inc. StoneLite® panel system                                  
                          14. Thin set brick - Glen-Gery Thin Tech® - Elite Series                      
                          15. Natural stone veneer, adhered (1 1/4” min)                               
                          16. FunderMax M.Look with max 1 1/2” air gap                                 |
| **Window Headers**      | • Aluminum flashing (0.08” min)                                                 
                          • Steel flashing (20GA min)                                                   |
| **Flashing**            | • R-SEAL 6000 or R-SEAL 2000 LF (12” max)                                        |

*Fire Retardant Treated Wood (FRTW), where allowed, must comply with IBC Section 2303.2.

*No additional WRB over sheathing.

**NOTE:** For additional details of each component and confirmation of approved assembly, refer to DrJ Technical Evaluation Report, TER 1212-03 (www.rmax.com) or Fire Analysis Summary from Priest & Associates.

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