

NFPA 285 ASSEMBLY GUIDE

RMAX ECOMAXci® FR AIR BARRIER

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

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

¹Fire Retardant Treated Wood (FRTW), where allowed, must comply with IBC Section 2303.2.

²No 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.

For warranties, limitations and conditions refer to the Rmax Sales Policy and applicable warranties. All documents are located at www.rmax.com. For technical support, email technical@rmax.com. For sales support, pricing and availability, email rmax@rmax.com or call (800) 527-0890.

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