
Rmax, a Business Unit of Sika Corporation
Design No. ROL/BI 30-07
Exterior – Nonloadbearing Wall Assembly
Durasheath® and Thermasheath®
NFPA 285
Rating: Meets Conditions of Acceptance

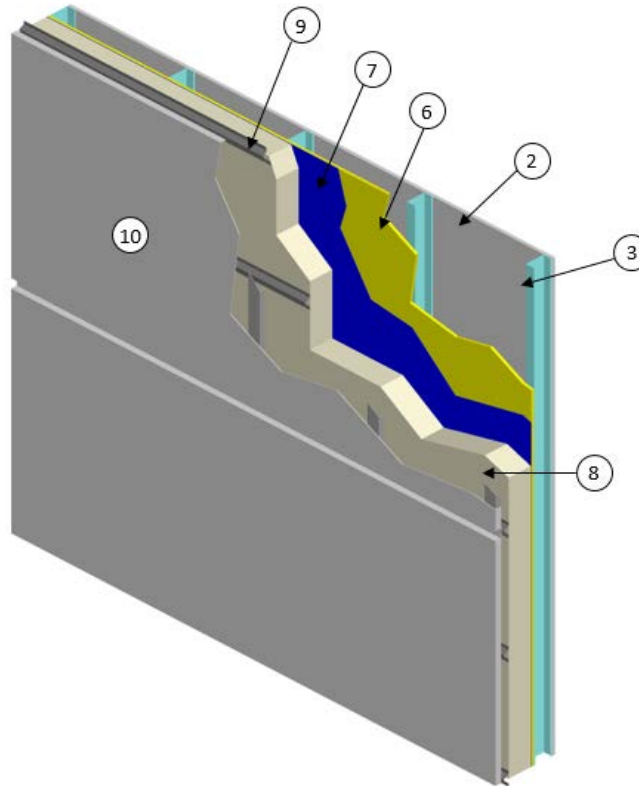


Figure 1 – Item 1

- 1. EXTERIOR NONLOADBEARING WALL ASSEMBLY:** Incorporate construction features in the exterior nonloadbearing wall assembly as described in Items 2 through 10.
- 2. INTERIOR GYPSUM:** On the interior side of the exterior nonloadbearing wall assembly (Item 1), secure one layer of 5/8 in. thick Type X gypsum board to the steel framing (Item 3) using #6 x 1-1/4 in. self-drilling, zinc-plated bugle-head screws, spaced max. 8 in. at the perimeter and 12 in. in the field.
- 3. STEEL FRAMING:** Install nominal 3-5/8 in., 20 GA galvanized steel studs spaced nominally 24 in. on center (oc) max. Attach steel studs to 20 GA top and bottom tracks using #8 x 1/2 in. long, pan-head framing screws, attached at the front and back of each steel stud.
- 4. FLOOR SAFING:** (Not Shown) Install nominal 4 in. thick x 8 in. tall, min. 4 pcf mineral wool in the stud cavities at the floor lines.



5. **LATERAL BRACING:** (Not Shown) Install lateral bracing, measuring 1-1/2 in. wide with 1/2 in. 16 GA legs, spaced nominally 48 in. oc in elevation and perpendicular to the steel framing (Item 3). Secure lateral bracing to all steel framing using two nominal 3/4 in. long, self-drilling, sheet metal screws.
6. **EXTERIOR SHEATHING:** Install min. 1/2 in. thick DensGlass® Gold Exterior Sheathing (Georgia Pacific) with the long edge perpendicular to the studs. Secure to steel framing (Item 3) with #6 x 1-1/4 in. self-drilling screws, spaced max. 8 in. at the perimeter and 12 in. in the field.
7. **WEATHER RESISTANT BARRIER:** Install Soprema, Inc. Sopramastic Sealant into the exterior sheathing (Item 6) joints that are 1/8 in. or larger. Apply Soprema, Inc. Mammoth Elastocol 600c Primer over exterior sheathing in two passes, to a total nominal wet film thickness of 25 mils, and allow the primer to dry. Install the Soprema, Inc. Sopraseal Stick 1100T air barrier vertically with a min. 2 in. overlap at the vertical seams.
8. **CERTIFIED COMPANY:** Rmax, a Business Unit of Sika Corporation

CERTIFIED PRODUCT: Foam Insulation Panel

MODEL: Durasheath® or Thermasheath®

FOAM INSULATION PANEL: Use max. 4-1/2 in. thick foam insulation panels measuring nominally 4 ft. x 8 ft. Install foam insulation panels with the long edge horizontal and perpendicular to the steel framing (Item 3). Stagger the vertical seam of the foam insulation panels nominally 24 in. Secure the foam insulation panels to steel framing using #10 x 5-1/2 in. long, self-drilling screws with a preinstalled rubber washer at the panel corners.

9. **WALL PANEL SUPPORT SYSTEM:** Install max. 1 in. deep, min. 16 GA steel hat-shaped channel (1 in. x 2-1/4 in. x 1 in.) horizontally. Secure directly to each steel framing member (Item 3) through foam insulation panels (Item 8) using min. 7 in. long, square drive self-drilling screws.
10. **ALUMINUM COMPOSITE WALL PANELS:** Install max. 4 mm thick Alcoa Reynobond® aluminum composite panels with vertical stiffeners, composed of min. 1 in. x 2-1/4 in. 16 GA steel C-channel, to the wall panel support system (Item 9) to create a max. 2-1/2 in. air gap. Secure min. 2-3/4 in. aluminum clips, attached with two 1/2 in. self-drilling screws, to the back of each panel and secure the panel system at the aluminum clips to the wall panel support system (Item 9) using two min. 1 in. hex-head self-drilling screws. Install max. 1/8 in. thick x 2 in. wide ACM spline at all panel joints.