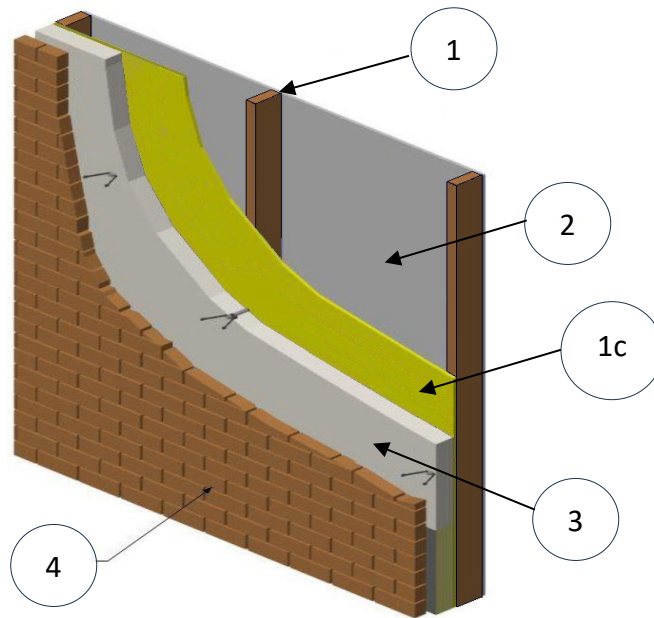


BASF Corporation
Design No. BASF/FI 30-10
Non-Loadbearing Wall System
WALLTITE® (Max and One)
NFPA 285
Rating: Meets Requirements



1. BASE WALL: Base wall construction consists of the following:

- A. **INTERIOR FINISH** – Nominal 5/8 in. thick Type X gypsum board complying with ASTM C1396, installed with the long dimension perpendicular to the framing and attached with min. #6 x 1-1/4 in. bugle-head, self-drilling screws, spaced a max. of 8 in. on center (oc) around the perimeter of the board and 24 in. oc in the field.
- B. **FRAMING** – Framing must be min. 2 x 4 Fire-retardant-treated wood studs spaced max. 24 in. oc. Studs must be secured to top and bottom plates using min. #6 x 2-in. screws. Alternatively, framing may be min. 3-5/8 in. No. 20 GA steel studs spaced max. 24 in. oc.

Attach steel studs to No. 20 GA top and bottom steel tracks using nominal 7/16 in. long pan-head screws attached to the front and back of each steel stud. Bracing is required at 4 ft., max., vertically.

- C. **SHEATHING** – Min. 5/8 in. thick Type X gypsum board complying with ASTM C1177, attached to framing with min. #6 x 1-1/4 in. bugle-head, self-drilling screws, spaced a max. of 8 in. oc around the perimeter of the board and max. 24 in. oc in the field.
- D. **BRICK TIES** – Steel brick ties are attached to the wood framing at max. 24 in. oc horizontally and max. 32 in. oc vertically.

2. CAVITY INSULATION:

CERTIFIED PRODUCT: BASF WALLTITE® (Max or One) spray applied polyurethane insulation.

The insulation is sprayed, in accordance with the manufacturer's instructions, into the stud cavities to the full thickness of the cavity.

3. EXTERIOR INSULATION:

CERTIFIED PRODUCT: BASF WALLTITE® (Max or One) spray applied polyurethane insulation.

The insulation is sprayed, in accordance with the manufacturer's instructions, over the surface of the exterior gypsum board to a max. nominal thickness of 5-1/4 in.

4. EXTERIOR WALL COVERING:

- A. WALL COVERING – 3-5/8 in. clay brick is installed with a max. 2 in. air gap between the spray foam and brick.
- B. OPENINGS – Openings must be framed with 2 x 4 FRT lumber and must be covered by 0.040 in. thick aluminum flashing (or material with superior melting performance) covering exposed foam edges around the perimeter of openings.
- C. FIREBLOCK (Not Shown) – When the walls are built with FRT lumber, a fireblock consisting of two layers of 2 x 4 FRT lumber must be installed at floor lines. When the walls are built with steel framing, min. 4 pcf mineral wool insulation shall be friction fit with 25 percent compression, or shall be held in place with Z-clips.

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.