

# BASF HP+ FR Partition Wall and Floor Systems

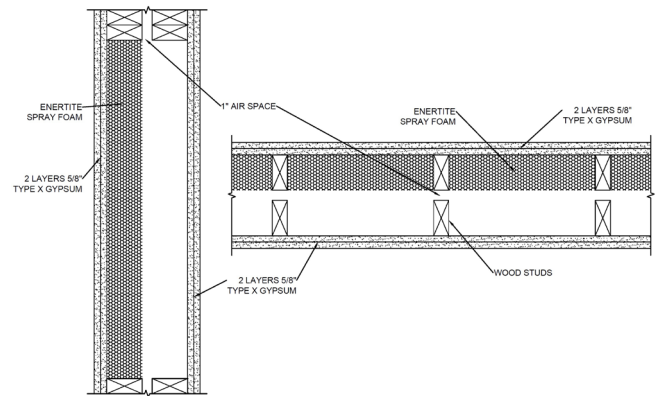
## Featuring ENERTITE® Series Open-cell Spray Foams in Wood-frame / Combustible Construction

For multi-family construction applications using spray foams, BASF Corporation offers multiple UL fire-rated partition wall assemblies. Our partition wall assembly can utilize either ENERTITE® G or ENERTITE® Max open-cell spray foam in various design options, to provide the sound attenuation and fire performance required by building code of local jurisdiction, while increasing occupant comfort.

These UL fire-rated partition walls with the other UL fire-rated exterior wall, floor/ceiling, and roofing assemblies found in the BASF HP+® FR Systems portfolio help to support designers and builders as they work on constructing the high-performance buildings demanded by their clients.

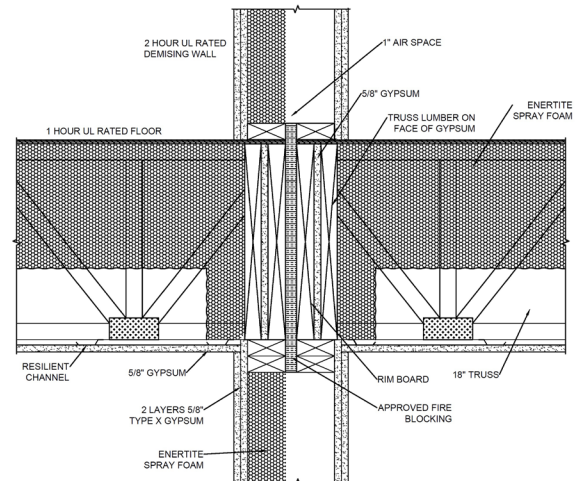
### Wood Frame Partition Wall Assembly Features

- 2-hour UL rated Demising Wall Assemblies
  - UL Design Listings: V324, V342, V352
- 2-layers 5/8" Type X gypsum
- Minimum 2x4 wood studs in each wall assembly
- 16" on center stud space maximum
- Direct stud alignment on opposing walls
- Minimum 1" air gap between walls
- ENERTITE G or Max SPF in one wall (partial to full cavity)
- Additional fibrous insulations may installed on opposite wall



### Wood Frame Partition Wall to Floor Connections

- 1-hour UL rated Floor Assemblies
  - UL Design Listings:
    - L521, L528, L550, L574, L587, M540, M562
- 2-hour UL rated Demising Wall Assemblies
  - UL Design Listings:
    - V324, V342, V352
- Sound Transmission Class (STC) Ratings
  - Floors: STC 57-59
  - Walls: STC 57



## BASF Spray Foam Approvals for Code Compliance in Multi-Family Construction

 **BASF**

We create chemistry

## ENERTITE TESTING and MULTI-FAMILY CERTIFICATIONS

- ICC-ESR 3102 and CCRR-1032 Evaluation and Code Compliance Reports
- UL GREENGUARD and UL GREENGUARD Gold Certified low-emission materials
- UL Environmental Claim Validation (Biobased Content, VOC emissions, Mold Resistance)
- ASTM E119 Fire Resistance Rated Assemblies
- ASTM E2178 Air Barrier performance verified
- ASTM E90 Sound Attenuation – STC 57+
- UL 263 Fire-Resistance Rated – 1 to 2-hour load-bearing and non load-bearing assemblies

ENERTITE spray foam is an excellent choice for multi-family construction applications, due to its superior insulation and air sealing properties, energy efficiency, and versatility.



- **Efficiency:** Provides excellent thermal resistance. Better insulation performance against heat loss in winter and heat gain in summer, contributing to lower energy bills for residents and property owners.
- **Air Sealing Capabilities:** Air leaks can significantly increase energy consumption in multi-family buildings. By using ENERTITE spray foam, builders can minimize these leaks, leading to improved indoor air quality and comfort for residents. This is particularly important in multi-family units where air quality can be compromised by shared walls and ventilation systems.
- **Moisture Management:** ENERTITE insulation is resistant to mold and mildew, which is essential in multi-family construction where the risk of moisture problems can be higher. This resistance helps protect the integrity of the building structure and enhances the overall health of the living environment.
- **Noise Reduction:** Multi-family buildings often deal with noise transfer between units. The open-cell structure of ENERTITE spray foam can help minimize sound transmission, providing a quieter living environment. This is a significant benefit in urban settings where noise pollution can be a concern for residents.
- **Cost-Effectiveness:** Although the upfront cost of spray foam insulation can be higher than traditional insulation materials, the long-term savings on energy bills and reduced maintenance costs can make it a more economical choice over the lifespan of the building. Most shaft liner systems to manage sound will be more expensive than the spray foam alternative assembly, saving construction costs.

**ENERTITE**<sup>®</sup>  
open-cell spray foam insulation

**BASF ENERTITE spray foam provides multi-family construction projects with an effective solution that enhances energy efficiency, comfort, and sound control, making it a smart investment for builders and developers.**

For Technical Assistance or questions, contact BASF Technical Support at 800-706-0712, ext.2

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