Certifications and Approvals

PLEASE NOTE: We have made every effort to make our printed communications complete and accurate. We reserve the right, however, to make changes at any time, without notice, in prices, materials, equipment, specifications, models and availability.

Specifications, dimensions, measurements, and other numbers in our printed materials provided regarding these products are approximates based upon design and engineering drawings and prototypes. Your specific door may differ slightly due to variations in manufacture and equipment.

In addition, some information may have been updated since the time of printing, please contact customer service for complete details on all products.

WBCA assumes no liability for incorrect, improper or faulty installation of any of our products, or for use of our products other than their intended purposes.

GASKET:

Weather resistive gasket: Closed cell sponge, blend of Neo-prene/EPDM/SBR. Meets ASTM D-1056: SCE 41, RE 41, 2A1; substrate UL 94HF-1 recognized.

Exterior Door: Open celled microcellular polyurethane on inside of door. Closed cell neoprene sponge SC42 W/PSA stripping gasket on the back of the door.

Hot Smoke Seal™ fire tested: Listed to meet the requirements of standards UL10B, UL10C, UBC 7-2, Part 1 and BS476: 1987 for application to fire rated door assemblies. Tested for smoke controlled assemblies: Listed to meet the requirements of standards UL1784, NFPA 105, UBC 7-2, Part 2, and BS476:Part 31, Section 31.1:1983. It also is a chemically inert, highly stable, expandable graphite strip, tested and proven in positive pressure conditions to withstand both hot smoke and hot gases, resulting in the longer integrity of a door assembly. More economical to use than specially modified doors in "tested assembly only" classifications. Chemically inert, and therefore will not degrade from carbon dioxide and ozone like the many intumescents being offered by other manufacturers. Not affected by moisture and will not break down like fiber or cellulose based products and does not require periodic after market field inspections.

INSULATION:

Industrial Felt insulation for optimal fire protection (rated noncombustible by NFPA Standard 220 when tested in accordance with ASTM E136 and withstands ASTEM E119) and superior sound control USG tested per ASTM C165: 8 pcf STC 15-2" thickness.

Extruded Polystyrene insulation board, with R-Value @ 75ºF Mean 5.0 x 2. R means resistance to heat flow. The higher the R-Value the greater the insulating power and energy saving capability.

FIRE RATING:

WB FR 850 Series Upward Swinging Access Door

Warnock Hersey International – approved for ceiling, **3 hours**

WB FR 800, 810, and 820 Access Door

Floor and Ceiling Assembly – These WB FR access doors are flush mounted and have mounting holes to facilitate installation. They are insulated and rated by Underwrites Laboratories for 1.5 hour "B" label in walls, and may be used in 2 hour fire rated wall assembly. Additionally, Warnock Hersey rated these WB FR access doors for 3 hours in ceilings.

WB FR-C 800 Series Ceiling Access Door

Warnock Hersey International – approved for **1 hour** fire rated ceiling assembly up to (max 24" x 48")

SOUND TRANSMISSION CLASS (STC) RATINGS:

Williams Brothers access panels are engineered to meet high-performance acoustical standards, effectively reducing noise transmission and enhancing overall sound control within buildings. These panels are tested in accordance with **ASTM E90,** ensuring reliable and consistent sound attenuation when installed properly.

Incorporating sound-rated access panels contributes to **improved occupant comfort, privacy, and acoustic performance,** making them ideal for environments such as **hotels, offices, healthcare facilities, schools, and other noise-sensitive areas.**

WB DWAL 412-HD Heavy Duty Touch Latch Drywall Access Panel

- **STC: 62** (when installed properly) – Effectively minimizes airborne sound transmission, helping maintain quiet interior spaces.
- **OITC: 50** (when installed properly) – Provides superior protection against exterior noise penetration.
- **Tested per:** ASTM E90
- **Testing Laboratory:** Element Materials Technology
- **Report Number:** ESP042978P-5
- **Date:** February 12, 2025

WB DW 405 Phantom Series Ceiling Access Panel – RADIUS & SQUARE CORNER

- **STC: 62** (when installed properly) – Reduces room-to-room noise transfer, ensuring acoustic separation.
- **OITC:** 50 (when installed properly) – Enhances sound insulation against environmental noise.
- **Tested per:** ASTM E90
- **Testing Laboratory:** Element Materials Technology
- **Report Number:** ESP042978P-6
- **Date:** February 12, 2025

WB EXT 1350 Ultra Series Access Door

- **STC: 63** (when installed properly) – Maintains the wall assembly's high sound transmission class, ensuring minimal noise intrusion.
- **OITC: 50** (when installed properly) – Offers robust defense against outdoor noise, enhancing interior tranquility.
- **Tested per:** ASTM E90
- **Testing Laboratory:** Element Materials Technology
- **Report Number:** ESP042978P-4
- **Date:** February 12, 2025

By integrating these sound-rated access panels and doors, buildings can achieve **superior acoustical performance, enhanced energy efficiency, and compliance with building codes and noise reduction standards,** making them essential components in high-performance building design.

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