

Back-to-back 4" Solid Wall

WALLS

PRODUCT BROCHURE

ISSUED 2023 07 07





A SUPERIOR ACOUSTIC SOLUTION

DIRTT's back-to-back wall assembly lets you do big things with a small footprint. Composed of two 4" Solid Walls finished on one side each, it's an effective way to handle robust in-wall equipment and system needs. Back-to-back conference rooms with large displays or back-to-back headwalls with med gas, dialysis boxes, electrical, and life safety systems are easily accommodated. And thanks to DIRTT's robust testing, you can achieve your acoustical goals, no matter what you need to put in the wall.



Back-to-back 4" Solid Wall

SYSTEM FEATURES

- 01** Both sides of the wall behave independently, allowing multiple panel configurations and finish options
- 02** Parametric assembly thickness is determined by the depth required to accommodate mechanical, electrical, and plumbing systems
 - Wall assemblies tip into place for quick installation
- 03** Frame attaches directly to ceiling, soffit, bulkhead, or structure and can be embedded in DIRT™ timber or within a recessed channel
- 04** Provides excellent acoustic separation to meet speech privacy needs
 - Precision manufactured for base building accommodation
 - Modular design supports quick installation and easy reconfiguration
 - Frame-to-frame inline connections offer nondestructive adaptability
- 05** Factory-finished wall panels are easily removable for reducing the time and cost of maintenance
 - Sound transmission class (STC) rating: 54 – 61
 - SCS Indoor Advantage Gold certified
- 06** Support your brand with customized finishes and graphics
 - Seismic compatible
 - Limit transfer of smoke with our non-rated, smoke partition

01



02



03



05



06





Technical Overview

SIZE

| | |
|---|----------------------------|
| Standard assembly thickness (with panels) | 8 3/8" (213 mm) minimum |
| Wall module width | 6" (152 mm) – 48" (1.22 m) |
| Wall module height maximum | 12' (3.66 m) * |
| Factory-installed insulation thickness | 1" (25 mm) |

* Frame assemblies that exceed module maximums must be validated by DIRT to confirm they meet building code.

TOLERANCES

| | |
|---------------------------|-------------------------------|
| Wall height adjustability | -3/8" (10 mm) +2 3/8" (67 mm) |
|---------------------------|-------------------------------|

PANEL FINISH OPTIONS

ChromacoatPlus (paint)

Chromacoat (paint)

Thermofoil (3D Laminate)

Wood Veneer

Backpainted glass

Magnetic marker board

WriteAway (writable film)

Fabric

Custom finishes

DESIGN CONFIGURATIONS

Wall module configurations Choose wall panel reveals of 3/16" (4 mm) or 1/8" (9 mm)

Configure for seismic compliance when needed

Select gaskets to support healthcare applications, acoustics, and limiting the transfer of smoke

Customize ceiling and base trim shape and color

Wall connections

Frame connects to acoustic ceiling tile (ACT) grid, bulkhead, drywall soffit, or metal stud kickers

Base track secures to the base building with carpet grippers, double-sided tape, or seismic anchoring

Wall modules connect with frame-to-frame inline connections

Post options: Inline, 90-degree, 120-degree, 135-degree, three-way, four-way, adjustable and drywall

DIRTT SYSTEM INTEGRATIONS

DIRTT Electrical

DIRTT Casework

DIRTT Networks

Third-party provided hardware and technology



BUILD DYNAMIC SPACES

dirtt.com ↗