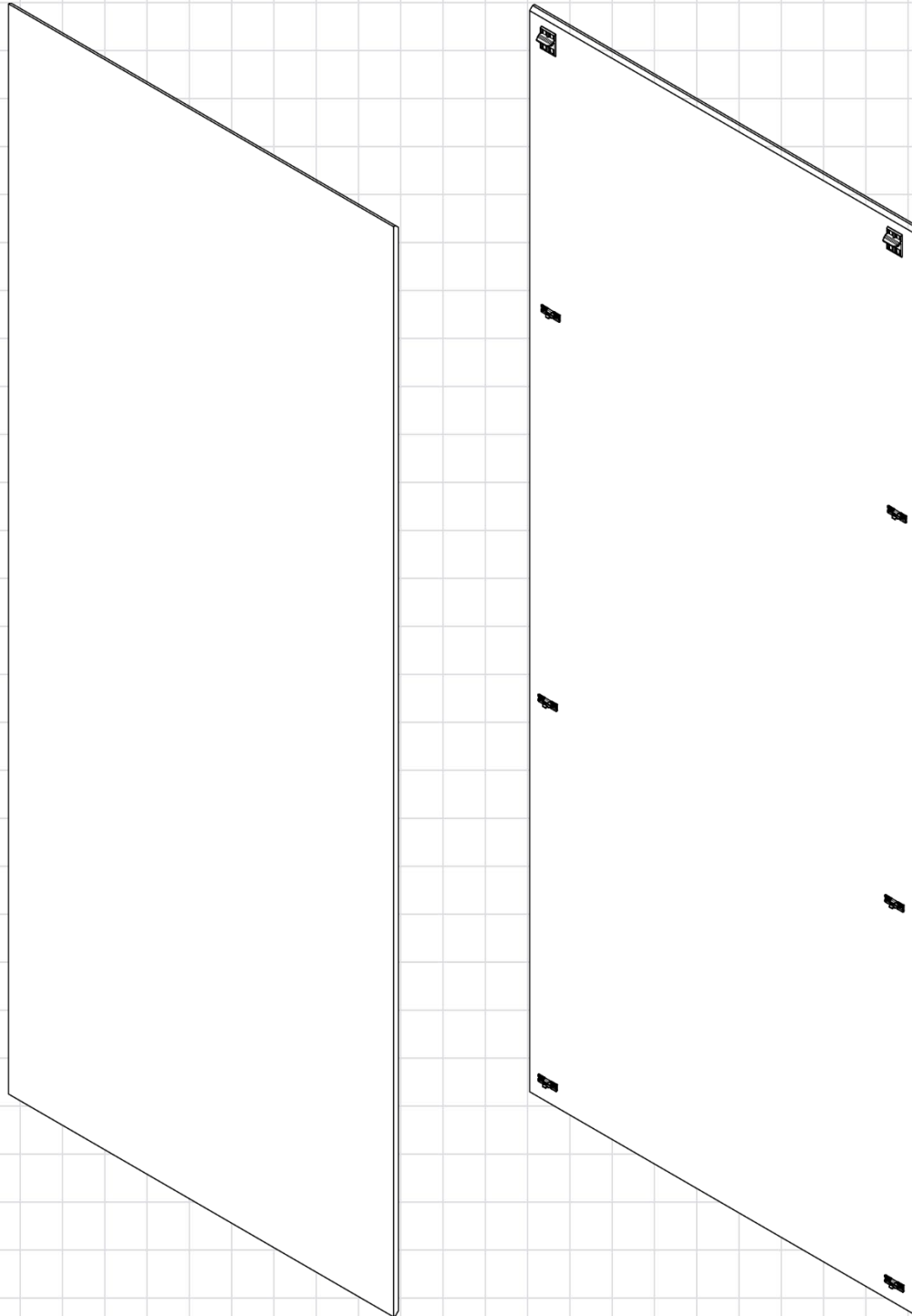


MgO Panel

Tech Sheet





COMPONENTS + MATERIALS

MATERIAL SUBSTRATE

½" (12mm) magnesium oxide (MgO) substrate

FINISH OPTIONS

Standard thermofoil

Custom options available. Contact [Custom Finishes](#).
CleanWrite™

Standard finish options, see [myDIRTT](#).

Matte or gloss finish.

Custom graphics available. Contact [Custom Finishes](#).

Magnetic CleanWrite is available with standard and custom finish options.

COMPATIBLE WALL FRAMES

6" Solid Wall frames

4" Solid Wall frames See [Solid Wall Tech Sheet](#)

2" Furring Wall frames See [Face Tiled Wall – 2 Inch \(TAOS\) Tech Sheet](#)

NOTE: All compatible Solid Wall options are available with Classic or Enzo reveals.

MOUNTING COMPONENTS

Factory installed clips and hangers

Spring Steel Bats Clip	25-gauge spring steel Zinc coating
Aluminum Hanger	Aluminum ADC12 Galvanized coating

Clips and hangers are attached to panel with stainless steel staples. Standard spacing and allotment along backside of panel.

Replacement clips and hangers

BATS Clips 11mm	Polycarbonate copolymer
Countersunk	
Panel Hook – Screw In	Nylon
– Countersunk	

IMPORTANT: It is recommended to use stainless steel staples to attach replacement clips and hangers to panels.

IMPORTANT: Refer to the manufacturer's [Technical Guide](#) for guidance on fasteners to use with the panels.

PANEL CONNECTIONS TO SOLID WALL FRAME

Aluminum hangers located at top of panels.

Spring steel bats clips located at bottom edges.

Spring steel bats clips located intermittently between clip lines greater than 39 11/16" (1.01m).

OPTIONS

ELECTRICAL AND COMMUNICATION OPTIONS

Factory-made cutouts for electrical and communication boxes are available for MgO panels with a thermofoil or CleanWrite finish.

See [myDIRTT](#) for more information on electrical options.

NOTE: Cutouts are not available for magnetic CleanWrite panels.

NOTE: Adding cutouts to thermofoil or CleanWrite MgO panels on-site is not recommended.

INTEGRATED TECHNOLOGY

Available for MgO panels with a thermofoil or CleanWrite finish. Review the [Integrated Technology Media Wall Order Guide](#) for details.

NOTE: An integrated technology panel is not available with a magnetic CleanWrite finish option.

NOTE: Magnetic access panels are not available with MgO panels.

MAGNETS

For best performance on magnetic CleanWrite MgO panels, use standard magnetic accessories (Customer's Own Material (COM), not supplied by DIRTT).

PANEL CONFIGURATION OPTIONS

Panels can be applied over multiple frames.

Scribing MgO panels to the wall or to the floor on-site is not recommended.

OTHER COMPONENT CONNECTIONS

Corner connectors and details

Modular and conventional electrical

Low wall

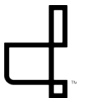
Cornice-height wall

Dupers

Multiple posts options

[Solid and glass wall gasketing](#)

Trim and zipper components



DIMENSIONS + DETAILS

Minimum (Min.) panel width	5 ½" (140mm)
Min. panel height	5 ½" (140mm)
Maximum (Max.) panel width*	46" (1.16m)
Max. panel height*	7'-11" (2.41m)
Finished panel thickness	½" (13mm)

NOTE: ⅜" (9.5mm) thick panels are not available. Any wrap-up flooring options will sit proud.

***NOTE:** MgO panels can be oriented vertically in a monolithic application or horizontally to span multiple frames; however, cannot exceed a 46" (1.16m) x 7'-11" (2.41m) panel size.

COMPLETED TESTING

ASTM E136

"Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C"

ASTM E84

"Standard Test Methods for Surface Burning Characteristics of Building Materials"

CAN ULC S102

"Standard Test Methods for Surface Burning Characteristics of Building Materials and Assemblies"

NFPA 286

"Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth"

NOTE: Test reports are available upon request.

Supporting Documentation

[MgO Panel - Manufacturer Technical Data Sheet](#)

NOTE: The supporting documentation listed below is available upon request. Contact your DIRTT PM.

DIRTT Solid Wall ICC-ESR 1947

Intertek Report: Listing Information of DIRTT Solid Wall/Face Tiled Wall System