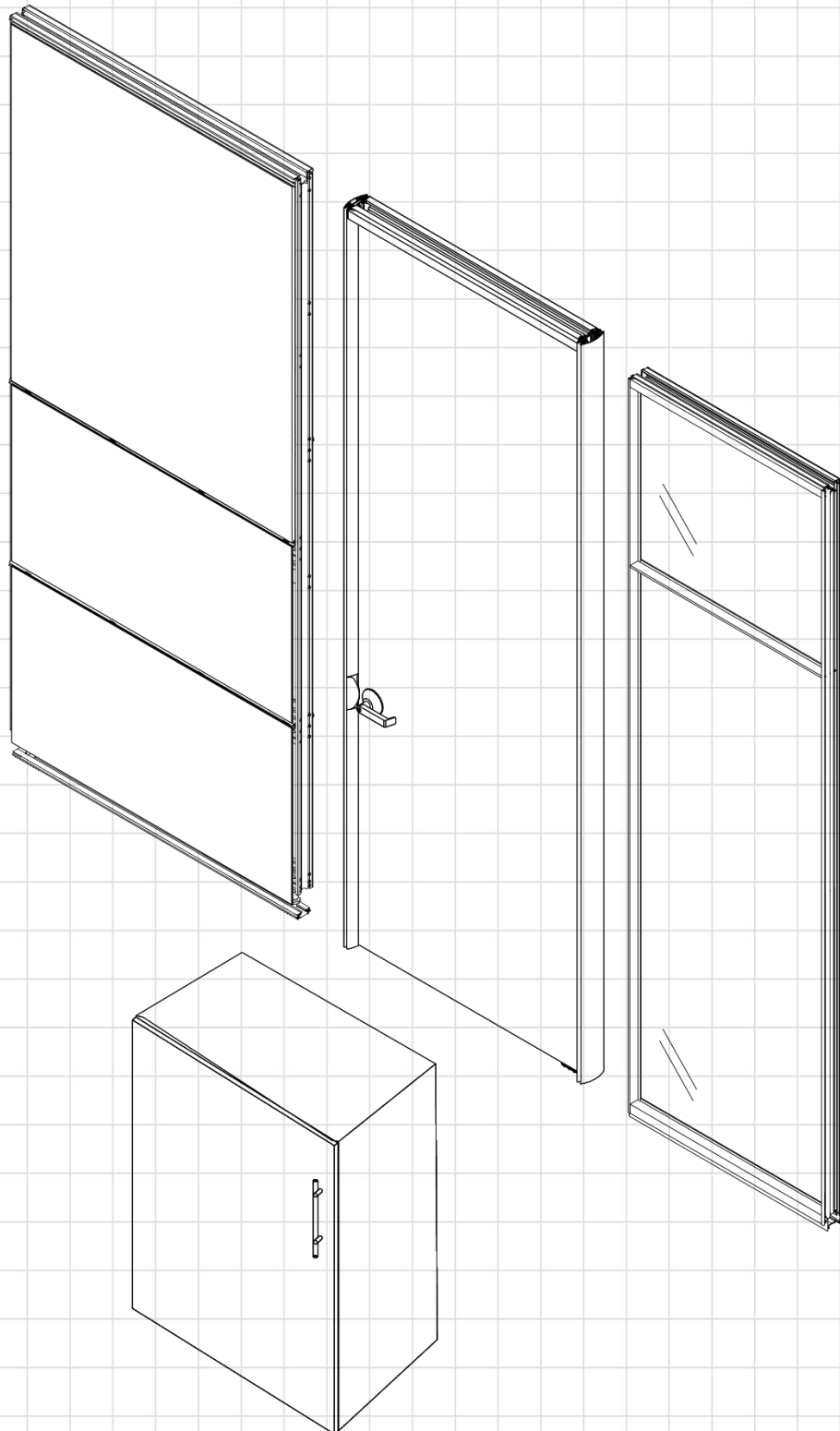


Thermofoil Applications

Technical Sheet

Tech Sheet





COMPONENTS + MATERIALS

CASEWORK

Material Substrate

No Added Formaldehyde (NAF), Low-Pressure Laminate (LPL), Medium-Density Fiberboard (MDF)
1-sided white melamine-coated

SOLID WALL PANELS

Material Substrate

NAF MDF
Fire retardant (FR) NAF MDF*
Forest Stewardship Council (FSC) Certified MDF with LPL Backer*
FSC + NAF MDF*
FSC + NAF + FR MDF*

***NOTE:** FSC and FR may require longer lead times and minimum-order quantities.

Solid Wall Panels Mounting Components

Hanger Clips (Panel Hooks)	Nylon
11mm BATS Clips–Stapled	Polycarbonate

ALUMINUM FRAME EXTRUSIONS

Material Substrate

Architectural Grade and Structural Aluminum Alloys
Wall, door frame and door extrusions

SOLID CORE WOOD DOORS AND WOOD DOOR WITH GLAZED GLASS INSERTS

For solid core wood door details review the [SCW Sliding Door Tech Sheet](#), [SCW Pivot Door Tech Sheet](#), or [SCW Swing Door Tech Sheet](#)

FINISH OPTIONS

Thermofoil Vendors

OMNOVA Solutions, SSI North America, Dackor 3D laminates and American Renolit

Thermofoil Options

Thermofoil and custom

Casework Finishes Options

Thermofoil and custom

Solid Core Wood Doors and Solid Glazed Wood Doors

Thermofoil and custom

Aluminum Wall and Door Frame Finish Options

Thermofoil and custom
(Excluding Enzo Coplanar)

Aluminum-Framed Doors

Thermofoil and custom
2" (Slim) and 4" (Goldie) only.
Not available for 6" (Phat) and Spectra.

Custom Finish Options

See [myDIRTT](#) for DIRTT 3D Laminate finish options.
Custom thermofoil with approval and pricing from Custom finishes team.

DIMENSIONS + DETAILS

SOLID WALL PANEL

Min. panel width	12" (305mm)
Min. panel height	12" (305mm)
Max. panel width*	48" (1.22m)
Max. panel height	120" (3.05m)
Standard panel thickness	½" (13mm)
	¾" (19mm)
Additional panel thicknesses	7/16" (11mm)
	3/8" (9.5mm)
	1" (26mm)
	1 ¼" (32mm)
	1 ½" (38mm)

***NOTE:** Panels can be oriented vertically in a monolithic application or horizontally to span multiple frames; overall size cannot exceed 48" (1.22m) in two directions. Panel size may be limited based on pattern or color selection.

Panel connections to solid frame

Panel Hooks located at top of panels.
11mm BATS Clips located on bottom edges.
11mm BATS Clips located intermittently between clip lines greater than 39 13/16" (1.01m).

Panel Configuration Options

Panels can be applied over multiple frames.
Oversized panels to be scribed to the floor*

***NOTE:** Panels scribed to the floor on-site require special equipment and specific procedures must be followed.

Electrical and Communication Options

Ports cut out for electrical and communication boxes.
See [DIRTT Power Tech Sheets](#) for electrical options.

ALUMINUM EXTRUSIONS

Wall and Door Frame

Min. width of surface area	2" (50mm)
Max. width of surface area	11 13/16" (300mm)
Min. length of surface area	31 ½" (800mm)
Max. length of surface area	21'0" (6.40m)
Min. thickness of surface area	2" (50mm)



Door Rails and Stiles

Min. width of surface area	2" (50mm)
Max. width of surface area	11 ¹³ / ₁₆ " (300mm)
Min. length of surface area	31 ¹ / ₂ " (800mm)
Max. length of surface area	21'0" (6.40m)
Min. thickness of surface area	2" (50mm)

SOLID CORE WOOD DOOR

Solid Slab

Max. width	4'0" (1.22m)
Max. height	10'0" (3.05m)

Wood Doors with Glazed Glass Inserts

Standard stile width	6" (152mm)
Glass thickness	¹ / ₄ " (6mm)
	³ / ₈ " (10mm)
Max. door width	4'0" (1.22m)
Max. door height	10'0" (3.05m)

TESTING RESULTS

ASTM E84

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

Thermofoil on NAF MDF Finish Substrate

Flame spread/Smoke-developed indexes	40/300
Finish Classification	Class B

Thermofoil on Fire Retardant (FR) NAF MDF Finish Substrate

Flame spread/Smoke-developed indexes	10/75
Finish Classification	Class A

CAN/ULC S102

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

Thermofoil on Standard NAF MDF Finish Substrate

Flame spread/Smoke-developed ratings	100/350
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Thermofoil on FR NAF MDF Finish Substrate

Flame spread/Smoke-developed ratings	25/355
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NOTE: Testing reports, details and approvals are available upon request.