

Danback® Flexible Wood Backing Plate

Reduces steel stud backing labor costs by up to 75%

Danback® Flexible Wood Backing System, featuring D-Blaze® or FlamePRO® fire-retardant treated wood (FRT), has made wood backing installation easy and economical-eliminating cutting, notching, ripping and routing.

Danback provides superior connection shear and pullout strength to support and meet even some of the heaviest loading conditions. Simply snap, flex and screw Danback into place. The hinge design actually flexes around the stud and snaps into place for a perfect fit-every time.

- Provides extra screw pullout strength for heavy-duty backing applications
- Available in 48" sections, for either 16" or 24" o.c. framing
- Meets all specifications for commercial and residential applications

Perfect backing system for baseboards, door jams and wood trim, cabinets and vanities and ceiling and crown moldings.

The Evaluation Report Service found that the wood backing material complies with the requirements for fire retardant treated wood described in the International Building Codes (IBC & IRC).

Danback flexible wood backing is available with FSC®-certified lumber and may contribute LEED® points to your project.

MATERIAL SPECIFICATIONS

- Material:** 3/4" CDX Doug Fir fire-retardant treated wood
- Dimensions:** 5-1/8" x 48" (130mm x 1219mm)
- Packaging:** (250) pieces per skid
- Product weight:** 5.114 lbs/piece

Danback® Flexible Wood Backing Plates (D16, D24)

| Product Code | Width (in) | Length (in) | Spacing  | Packaging Pcs./Skid |
|--------------|------------|-------------|----------|---------------------|
| D16F*        | 5-1/8      | 48          | 16" o.c. | 250                 |
| D24F*        | 5-1/8      | 48          | 24" o.c. | 250                 |
| D16C**       | 5-1/8      | 48          | 16" o.c. | 250                 |
| D24C**       | 5-1/8      | 48          | 24" o.c. | 250                 |

\*F = fire-treated plywood.  
Trimables available for off-module spacing in bulk quantity.  
\*\*FSC-certified lumber available on request, which can contribute to LEED® points on your project.  
Contact ClarkDietrich LEED professionals at 888-437-3244 for more information.  
FSC chain-of-custody # BV-COC-008121



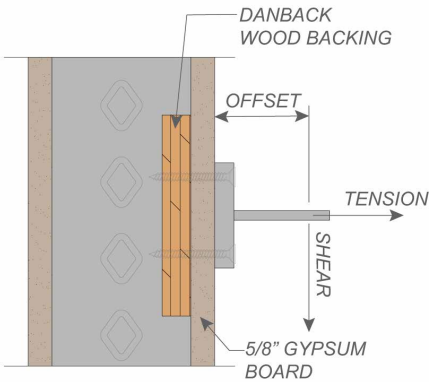
Load Tables

| Installation Condition | Nominal (lbs) |
|------------------------|---------------|
| Shear / 0" Offset      | 2440          |
| Shear / 1" Offset      | 825           |
| Shear / 3" Offset      | 310           |
| Tension                | 635           |

U.S. Patent Nos. 6,705,056 is owned by Kathy Tollenaar  
Danback® is a trademark of Kathy Tollenaar  
D-Blaze® is a registered trademark of Viance, LLC  
FlamePRO® is a registered trademark of Koppers Performance Chemicals, Inc.

Notes:

- 1 Listed load values are nominal test load values, appropriate safety factors/resistance factors should be applied by the designer for calculating loads for intended use.
- 2 Shear / Offset (moment-rotation) Load refers to load directed in the plane of the wall.
- 3 Tension Load refers to load directed perpendicular to wall or plywood surface.
- 4 Tabulated loads include the contribution of 5/8" gypsum board.
- 5 Test loads were applied to the gypsum board and backing system through a 1/2" thick, 2-3/4" diameter steel plate secured with (4) #12 hex head screws.
- 6 Loads were applied directly through the steel plate or to a steel rod that cantilevered from the plate.
- 7 Typical failure mode in backing testing was the gypsum board failure.
- 8 24-in o.c. stud spacing test results were similar/identical to 16-in o.c. test results.
- 9 Listed nominal capacities are based on using 33mils (20ga) non-structural framing members/studs.
- 10 Anchor to the stud flange using (3) #8 wafer head/pan head screws.



## Easy installation.



Snap starter edge into the open side of the stud flange.



**HINT:** Start with the first full bay. Use Danback trimmables for off-module bays.



Flex Danback flexible wood backing around stud flange using the flexible connector plate.



Repeat the process.



Overlap connector plates when using in long backing runs.



Secure each plate to the stud flange using three small pan or wafer-head screws.

Commonly used in: hospitals, medical centers, schools, hotels/motels, assisted living, condominiums, and others. The perfect backing solution for: cabinets, shelves, counters, sinks, handrails, chalkboards, towel and shower bars, or other wall-mounted fixtures that require heavy-duty backing.



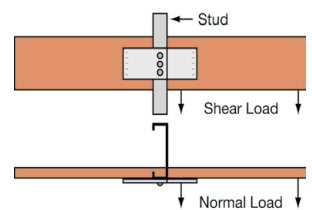
## Use Danback trimmables for off-module bays:



Danback trimmables for off-module backing.

Cut to required length. Secure connector plate to the trimmed edge. Leave 1-1/4" extended over the trimmed edge. Fasten the plate to Danback using three small pan or wafer-head screws.

Connector plates included with trimmables.



### FlamePRO® Fire Retardant complies with or has been granted the following:

- UL GREENGUARD Gold Certification – UL 2818
  - ICC ESR-4244
  - 2021 IBC
- (All are subject to revision, re-examination)

### D-Blaze® Fire Retardant or D-Blaze® FRT Wood complies with or has been granted the following:

- GREENGUARD Gold Certified
  - ICC-ES ESR-2645
  - 2021 IBC
- (All are subject to revision, re-examination)