

## Danback® (D16C, D24C)

### Flexible wood backing system with FSC certified plywood

Danback Flexible Wood Backing System is a heavy-duty flexible wood backing plate system that provides superior connection shear and pullout strength for handrails, shelves and other wall fixtures. Wood backing is fire retardant, pressure-treated wood that is chemically treated to reduce the flamespread and smoke development. Fire retardant wood is Class A fire retardant; EPA registered, and complies with all national codes including the International Building Code (IBC) and the International Residential Code Council (ICC). 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).

### Product Data & Ordering Information:

<b>Product Code:</b>	D16C (16"o.c. System), D24C (24"o.c. System)
<b>Material:</b>	3/4" CDX Doug FSC certified plywood
<b>Dimensions:</b>	5-1/8" x 48" (130mm x 1219mm)
<b>Packaging:</b>	250 pieces per skid
<b>Product weight:</b>	5.114 lbs/piece

### Danback™ Flexible Wood Backing Plate Nominal Load Values:

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

#### Load Table Notes:

- 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.
- Shear / Offset (moment-rotation) Load refers to load directed in the plane of the wall.
- Tension Load refers to load directed perpendicular to wall or plywood surface.
- Tabulated loads include the contribution of 5/8" gypsum board.
- Test loads were applied to the gypsum board and backing system through a 1/2" thick, 2-3/4" diameter steel plate secured w/(4) #12 hex head screws.
- Loads were applied directly through the steel plate or to a steel rod that cantilevered from the plate.
- Typical failure mode in backing testing was the gypsum board failure.
- 24-in on-center stud spacing test results were similar/identical to 16-in on-center test results.
- Listed nominal capacities are based on using 33mil (20ga) non-structural framing members/studs.
- Anchor to the stud flange using (3) #8 wafer head/pan head screws.

### D-Blaze® FRT Wood Code Approvals:

D-Blaze
UL GreenGuard Gold Certificate - UL 2818
ICC ESR-2645
National Fire protection Association (NFPA 255)
City of Los Angeles Research Report: RR24502
NY City Building Code (MEA Numbers 406-87 & 407-87)
National Build Code of Canada
UL Class A (Class 1) w/ FR-S Rating CAN/ULC S102 & S102.2
Class A FRT wood

For a complete list of FRT wood code approvals, visit [www.clarkdietrich.com/Danback](http://www.clarkdietrich.com/Danback)  
 - Danback® is a trademark of Daniel W. Tollenaar.  
 - D-Blaze® is a registered trademark of Viance, LLC.



- Reduces steel stud backing labor costs by up to 75%
- Available for 16" and 24" o.c. framing
- Complies with all national building codes
- FSC Chain-of-Custody #BV-COC-008121
- May contribute to LEED points

