

## Danback® (D16F, D24F)

### Flexible wood backing system with fire retardant treated 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>	D16F (16"o.c. System), D24F (24"o.c. System)
<b>Material:</b>	3/4" CDX Doug fire retardant treated 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® and FlamePRO® FRT Wood Code Approvals:

D-Blaze	FlamePro
UL GreenGuard Gold Certificate - UL 2818	UL GreenGuard Gold Certificate - UL 2818
ICC ESR-2645	ICC ESR-4244
National Fire protection Association (NFPA 255)	NFPA 703, 101 Life Safety Code
City of Los Angeles Research Report: RR24502	City of Los Angeles Building Code
NY City Building Code (MEA Numbers 406-87 & 407-87)	City of Los Angeles Residential Code
National Build Code of Canada	National Build Code of Canada
UL Class A (Class 1) w/ FR-S Rating CAN/ULC S102 & S102.2	AIA Approved
Class A FRT wood	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.
- FlamePRO® is a registered trademark of Koppers Performance Chemicals, Inc.



- Reduces installation time up to 90%
- Available for 16" and 24" o.c. framing
- Complies with all national building codes
- Also available with FSC certified wood
- May contribute to LEED points

