ClarkDietrich

Product Submittal Sheet

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Danback® Flexible Wood Backing System (D16F, D24F)

09.22.16 (Non-Structural Metal Framing)

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. FlamePro® fire retardant lumber and plywood meets the requirements for FRTW listed in the International Code Council Acceptance Criteria ICC AC66 conforming with the International Residential and the International Building Codes (IRC & IBC). In Evaluation Report ESR-1626, ICC Evaluation Service found that Dricon® fire retardant treated wood complies with requirements for fire retardant treated wood described in the International Building Code®. Danback flexible wood backing is available with FSC®-certified lumber and may contribute LEED® points to your project.

- Reduces installation time up to 90%
- Available for 16" and 24" o.c. framing
- Complies with all national building codes
- U.S. Patent No 6,705,056
- FSC® Certified Lumber available upon request

Product Data & Ordering Information:

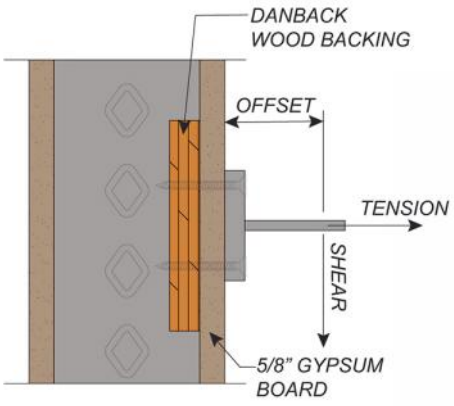
Product Code:	D16F (16"o.c. System), D24F (24"o.c. System)
Material:	3/4" CDX Doug Fir Dricon or FlamePRO fire-retardant treated wood
Dimensions:	5-1/8" x 48" (130mm x 1219mm)
Packaging:	250 pieces per skid
Product weight:	5.114 lbs/piece

Danback™ Flexible Wood Backing 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:

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 w/(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 on-center stud spacing test results were similar/identical to 16-in on-center test results.
9. Listed capacities are based on 68mils (14ga) 50ksi studs.
10. Anchor to the stud flange using (3) #8 wafer head/pan head screws.



Dricon®, FlamePRO® and ProWood® FRT Wood Code Approvals:

Dricon	FlamePRO
UL Recognized Component - UL 723	UL GreenGuard Gold Certification - UL 2818
ICC-ES ESR-1626	ICC ESR-4244
NFPA 703, 101 LIfe Safety Code	NFPA 703, 101 Life Safety Code
City of Los Angeles (RR 25122)	City of Los Angeles Building Code
EPA Registration (62190-9)	City of Los Angeles Residential Code
NYC MEA 199-81-M, NYC MEA 200-81-M	National Building Code of Canada
HUD Materials Release (1261)	AIA Approved
Class A FRT wood	Class A FRT wood

ProWood
UL GreenGuard Gold Certification - UL 2818
ICC ESR-4373
UL Recognized Component, UL 723
UL FR-S Rating for Lumber and Plywood
AWPA FR-2 Preservative System
AWPA E12, AWPA M4, AWPA T1, AWPA P50
AWPA UC-1
Class A FRT wood

For a complete list of FRT wood code approvals, visit www.clarkdietrich.com/Danback