

## Danback® Flexible Wood Backing System (D16C, D24C) (With FSC® Certified Lumber)

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.

Dricon® and FlamePRO® FRT is pressure-treated wood that is chemically treated to reduce the flamespread and smoke development. Both Dricon® and FlamePRO® are Class A fire retardant; EPA registered, and comply with all national codes including the International Building Code (IBC) and the International Residential Code Council (ICC).

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®.

### 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 FSC certified lumber  
 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:

- 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 capacities are based on 68mils (14ga) 50ksi studs.
- Anchor to the stud flange using (3) #8 wafer head/pan head screws.

### Dricon® or FlamePRO® 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                           |

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.
- Dricon® is a registered trademark of Arch Wood Protection, Inc.
- FlamePRO® is a registered trademark of Koppers Performance Chemicals, Inc.

### 09.22.16 (Non-Structural Metal Framing)



- 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

