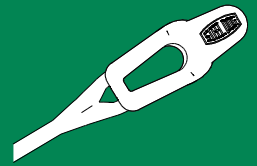




# Fiberglass Loop Tie

Steel Frame Modular Forming Hardware



FPL

Fiberglass  
Loop Tie

US PATENT 10907365

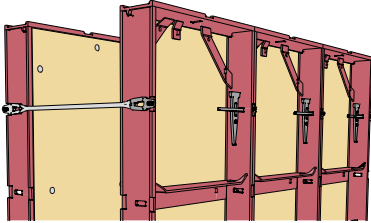
## A Drop-in Replacement for Steel Loop Ties

The Steel Dog® Fiberglass Loop Tie is designed to provide a seamless alternative to a conventional steel loop tie. The Fiberglass Tie allows you to set up and use your steel framed panels exactly as they were designed; no extra hardware required. The die cast thimble forms a loop to catch a wedge bolt.

**NEW!** Now with fiberglass Loop Ends!

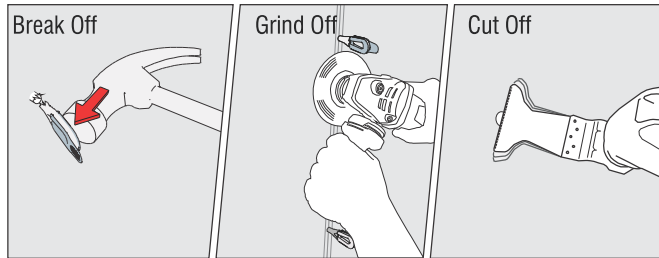
### Installation

Simply wedge bolt in place. There is no extra hardware required. Fiberglass loop ties are installed the same as steel loop ties. (For information on board form and form liner see reverse.)



### Stripping three options

Fiberglass ties should be broken or ground flush with the finished concrete wall. For exposed, architectural finishes, it's recommended the tie end be ground off with an angle grinder or an oscillating "multi-tool". Ceramic or diamond tipped blades should be used. For less critical sections of wall a quick hammer blow will remove the tie end.



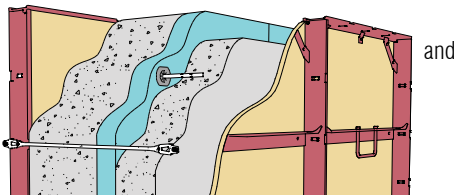
### CAUTION: DO NOT HAMMER TIES

Fiberglass loop ties are designed to fit comfortably within the dato slot. Excessive hammering to force ties into place may damage and weaken them.

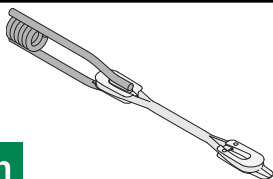
### Insulated Concrete Walls

Insulated concrete walls are designed with a foam barrier in the center to prevent heat transfer and control moisture within the building. Using fiberglass form ties during construction of an insulated concrete wall is necessary in order to achieve the greatest R-Value in the finished wall.

Steel ties are highly conductive and act as a thermal bridge for heat to pass, whereas fiberglass ties are non-conductive prevent thermal bridging.



### NEW! fiberglass loop ends



### Features

- Available any length 4"-32"
- Eliminates need for cones (for patching breakback holes)
- Non-Magnetic
- Non-Corrosive
- Low thermal conductivity (for insulating applications)
- Available with waterseal

**MATERIAL:** Epoxy coated fiber thread tinted standard gray to match concrete color.

#### COLORS:

##### Standard Gray



##### Black



##### White



##### Dark Gray



##### Red



##### Brown



**MAXIMUM SAFE WORKING LOAD:** 2800 lbs

#### APPLICATIONS:

- Architectural/exposed concrete walls
- Water treatment facilities
- THERMOMASS® walls
- Applications where steel or rust is a concern
- The Fiberglass tie lend itself perfectly to any application where conventional steel loop ties are discouraged or prohibited, as well as places where stainless ties or deep breakbacks are required. They can also be used alongside conventional steel ties to address a critical section of a wall.

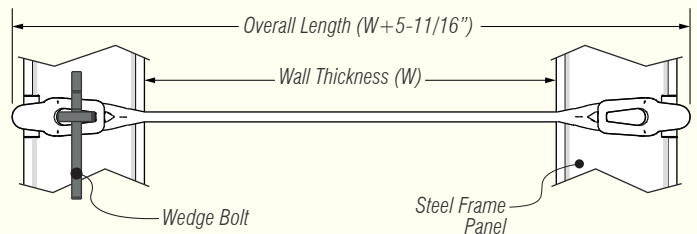
#### INSTALLATION:

- Fiberglass Ties should be installed like their steel counterparts. Simply drop in place and fasten with wedge bolts.

#### STRIPPING:

- After stripping use an angle grinder to remove the thimble and grind fiberglass flush with concrete wall surface.
- For exposed walls where appearance is critical use a shim stock backing around the tie to protect the finished wall from the grinder.

### ORDER INFO



Product	Wall Thickness	Overall Length	Box Quantity	Box Weight	Safe Working Load*
FPL-6	6"	11-11/16"	100 pcs	9	2800 lbs
FPL-8	8"	13-11/16"	100 pcs	9	2800 lbs
FPL-10	10"	15-11/16"	100 pcs	10	2800 lbs
FPL-12	12"	17-11/16"	100 pcs	11	2800 lbs
FPL-14	14"	19-11/16"	100 pcs	11	2800 lbs
FPL-16	16"	21-11/16"	100 pcs	12	2800 lbs
FPL-18	18"	23-11/16"	100 pcs	13	2800 lbs
FPL-20	20"	25-11/16"	100 pcs	13	2800 lbs
FPL-22	22"	27-11/16"	100 pcs	13	2800 lbs
FPL-24	24"	29-11/16"	100 pcs	14	2800 lbs
FPL-26	26"	31-11/16"	100 pcs	15	2800 lbs
FPL-28	28"	33-11/16"	100 pcs	16	2800 lbs
FPL-30	30"	35-11/16"	100 pcs	16	2800 lbs
FPL-32	32"	37-11/16"	100 pcs	17	2800 lbs

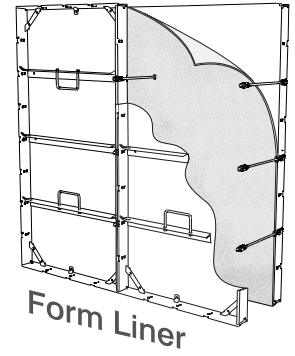
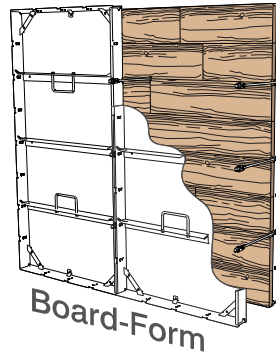
\* Based on 2-to-1 Safety Factor

### Board-Form and Form Liner

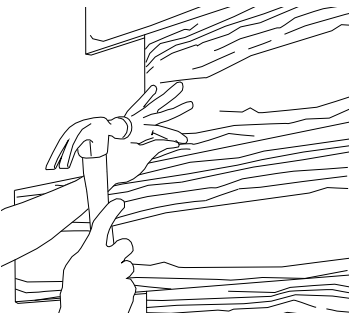
Board-formed concrete is achieved by attaching wood to the inside face of your steel framed panels. The grain and knotty features of the wood are left as impressions in the finished concrete wall. Almost any wood species and board size can be specified to achieve the desired look.

Fiberglass ties are ideal for board form work - the tie ends blend into the wall and never rust, which means NO STAINING, and because the ties are ground flush with the wall there is NO PATCHING.

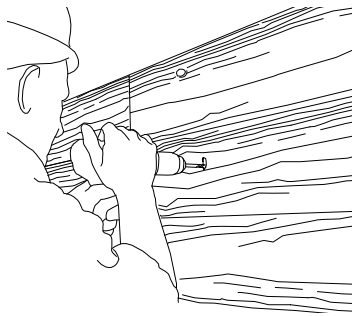
If you own or rent steel-framed panels, pouring a board-form wall with fiberglass loop ties is incredibly easy. See below for a step by step guide.



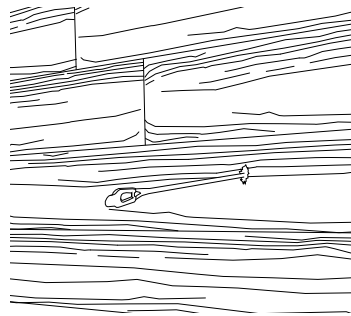
### Installation for both Board-Form and Form Liner



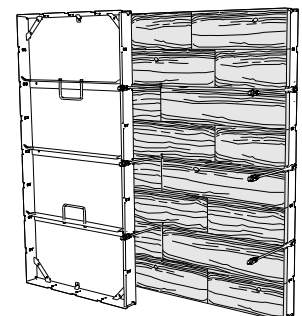
**1 Fasten Boards to Formwork** Set up one side of formwork (the side where the board-form will be attached) and nail boards to wall.



**2 Drill Slots** Drill or route slots at the intended tie locations. Slots should be 5/16" wide and 7/8" tall to allow the loop to comfortably slide through



**3 Feed Ties Through** Pass ties through slots and wedge bolt in place



**4 Stage Second Side** Stage the other side of your formwork

### Finished Walls Made with Steel Dog® Fiberglass Ties

