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.

**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.

**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 and prevent thermal bridging.

**Features**

- Available any length 4”-24”
- Eliminates need for cones (for patching breakback holes).
- Non-Magnetic
- Non-Corrosive
- Low thermal conductivity (for insulating applications)

**MATERIAL:** Epoxy coated fiber thread tinted standard grey to match concrete color. Also available: dark grey, brown, red and black.

**MAXIMUM SAFE WORKING LOAD:** 3000 lbs

**APPLICATIONS:**
- Architectural/exposed concrete walls
- Water treatment facilities
- THERMOMASS® walls
- Applications where steel or rust is a concern

**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.

**Ordering Information**

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<th>Product Code</th>
<th>Wall Thickness (W)</th>
<th>Overall Length (W+5-11/16&quot;)</th>
<th>Box Qty</th>
<th>Box Weight</th>
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*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 then 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 PATCH-ING.

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
The same approach can be used for both board-form and form liners

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