



# 370

## Finally, It's Time To Seriously Reconsider Your Firewall Construction Spec

### INTRODUCING THE PROPRIETARY UL TESTED GREENFIBER U370 FIREWALL FOR MULTI-FAMILY AND TOWNHOME CONSTRUCTION.

It delivers time and money saving performance with:

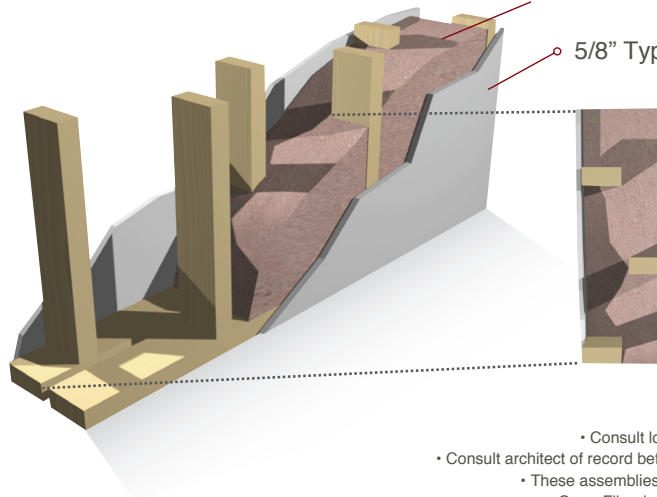
- Substantially faster construction
- Capability to save dozens of construction man hours
- Superior unit-through-unit sound blocking
- Simultaneous interior trades activity

#### • Requires US GreenFiber's Fire Rated Material™ (FRM)

FRM is only available and installed by approved applicators Contact GreenFiber for approved applicators

- R-value of 3.7 per inch.
- Up to 85% recycled content
- Constructed in weather-protected environment.
- Shortened construction cycle using efficient techniques.
- Achieves high sound transmission class (STC) ratings.
- Performs well in "Blower Door Test"

The UL-U370 is constructed of two opposing and offset studded walls. Each Wall's studs are set to standard 16" o.c. distance. When offset, the actual distance between opposing studs is 8" o.c., creating an 8" cavity into which FRM is spray applied.



5/8" Type C Gypsum

The two walls are separated by a 1" framing gap that is completely filled with spray-applied FRM at 3.35pcf density. The entire 8" cavity is filled and there are no air gaps in the assembly.

### THE FACTS

#### • UL Approved Design Options

- Townhome construction
- Multi-family construction
- Chase Design for in-wall mechanical
- OSB wind shear wall design



#### • Electrical and Penetrations

- UL approved electrical (wiring & boxes)
- Through penetration when in compliance with local building codes

#### • UL Listed Load Bearing Fire Wall

- U370 2-hour - U370 3-hour

#### • Building Code References

- International Code Council
- UL Evaluation Report 15890-01
- 2012 International Residential Code (IRC) Section R317: dwelling unit separation
- 2012 International Building Code (IBC) Section 705: fire walls

#### • Acoustical Ratings

- 2-hour firewall
  - STC 56 – minimum wall thickness of 9 1/4"
  - STC 61 – minimum wall thickness of 11 3/4"
- 3-hour firewall
  - STC 63 – minimum wall thickness of 10 1/2"

#### Disclaimer

- Consult local building codes before designing this wall.
- Consult architect of record before making any changes to construction type
- These assemblies are not available in all areas. Please contact GreenFiber before designing or constructing this assembly.

# Compare, head-to-head, the real world project requirements of shaftwall vs. GreenFiber's U370 Firewall Construction.

## Why IS GreenFiber's U370 Firewall Construction THE Better Choice Vs. Shaftwall

With U370 Assembly all units of building are framed at same time, under one roof and out of elements.

The U370 is installed after all mechanicals are roughed in.

U370 saves 3" of concrete slab/footer due to smaller footprint (8" vs 11")

Shaftwall installation typically takes six to eight man hours of labor per floor

U370 Assembly is sub-friendly which retains workers and helps productivity

FILL IN THE  
BLANKS AND  
COMPARE

### Structure Dimensions

Wall Depth \_\_\_\_\_ Stories \_\_\_\_\_ Roof Pitch \_\_\_\_\_ Wall Sq.Ft. \_\_\_\_\_  
 Wall Ht. Story 1 \_\_\_\_\_  
 Wall Ht. Story 2 \_\_\_\_\_  
 Wall Ht. Story 3 \_\_\_\_\_

## SHAFTWALL

### Shaftwall Materials

|  |                |            |           |  | Total Cost |
|--|----------------|------------|-----------|--|------------|
| Shaftwall Liner (1"x 2' x 10')                     | # Sheets _____ | Cost _____ | per sheet |  | _____      |
| Additional Sheets for spacers & breakage           | # Sheets _____ | Cost _____ | per sheet |  | _____      |
| 2" H Std Track 10'                                 | # Pieces _____ | Cost _____ | per piece |  | _____      |
| 2" C Track 10"                                     | # Pieces _____ | Cost _____ | per piece |  | _____      |
| Aluminum Breakaway Clips                           | # Pieces _____ | Cost _____ | per piece |  | _____      |
| FG Sound Batt (installed)                          | Sq.Ft. _____   | Cost _____ | per piece |  | _____      |
| Crane cost for shaft wall liner                    | Hours _____    | Rate _____ | per hour  |  | _____      |
| Extra Concrete used vs. GreenFiber U370 (11"vs 8") | Cu.Yd. _____   | Cost _____ | per yard  |  | _____      |

**Framer Labor Cost** | \$25.00/hr

### Shaftwall Installation

|  |                    |       |
|--|--------------------|-------|
| First Floor - 2 Men (Boards, Channels, Clips & Spacers)          | 4 Hours at \$50/hr | _____ |
| Second Floor - 3 Men (Add Board and Parts Staging)               | 6 Hours at \$75/hr | _____ |
| Third Floor - 3 Men (Add Board and Parts Staging)                | 6 Hours at \$75/hr | _____ |
| Attic - 3 Men (Add Board and Parts Staging & Cutting Roof Slope) | 6 Hours at \$75/hr | _____ |

### Total Shaftwall Cost

### Extra Construction Process Time (Unit time lost by not being under roof)

|  |                |             |
|--|----------------|-------------|
| • Framing Time Lost (Framer Labor Time x Crew Size)                | 44 man hours   | 2 crew days |
| • Rain days, framer "AWOL's"                                       |                | 3 crew days |
| • Other Trade/Insp. Delays (Working Around Shaft Walls) - 1 hr per | 20 individuals | 2 days      |

**Days lost 7 Days**

## U370

### FRM Material (Includes Labor)

Sq.Ft. of Wall \_\_\_\_\_ \$3.00 per Sq.Ft. \_\_\_\_\_  
 Additional cost for 5/8" Type C Drywall # Sheets \_\_\_\_\_ \$2.00 per Sheet \_\_\_\_\_

### Total Cost of U370

## CONSIDER THE U370 FOR ALL YOUR FIREWALL REQUIREMENTS



For additional information  
call 800-224-0028 or visit  
[www.greenfiber.com](http://www.greenfiber.com)

