



Explore a Better Two-Hour Firewall Solution

INTRODUCING THE PROPRIETARY UL TESTED GREENFIBER U370, SANCTUARY TWO-HOUR FIREWALL, FOR MULTI-FAMILY AND TOWNHOME CONSTRUCTION

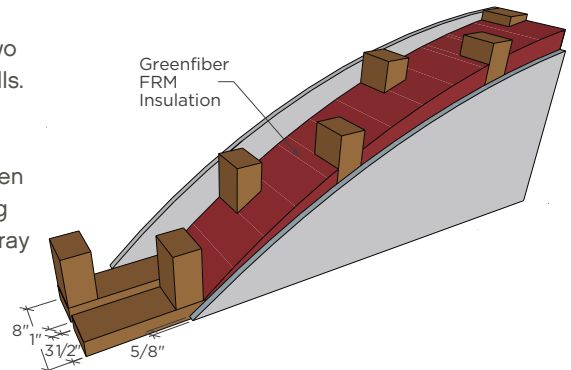
It delivers time and money saving performance with:

- Streamlined installation
- Assists in meeting stringent energy efficiency codes (ACH 3 to ACH 5)
- Superior unit-through-unit sound blocking
- Trades work simultaneously, normalizing construction sequence

The SANCTUARY Two-Hour Firewall has undergone rigorous testing by UL to guarantee the safety of your clients. There are local insulation contractors specifically trained in this assembly. In addition, Greenfiber® offers on site training with Greenfiber Trusted Installers (free of charge).

- **Requires Greenfiber® FRM Insulation**
- **R-value of 3.7 per inch**
- **85% recycled content**
- **Reduced weather-related damage**
- **Shortened construction cycle using efficient techniques**
- **Exceptional sound reduction between units (STC 56 to 61)**
- **Lower ACH / reduced air infiltration**
- **Reduces odor transmission between units**

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.



- 2x4 double wall 16" on center staggered
- 1" gap between walls.
- FRM100 spray applied at 3.35pcf density
- 5/8 sheet rock Type C or Type ULIX

U370 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
 - 2018 and 2021 International Residential Code (IRC) Section R317: dwelling unit separation
 - 2018 and 2021 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"

Compare, head-to-head, the real world project requirements of shaftwall vs. SANCTUARY Two-Hour Firewall.

Why is SANCTUARY Two-Hour Firewall, U370, the Better Choice vs. Shaftwall

All units of the building are framed at the same time, under one roof and out of the elements.

Installed after all mechanicals are roughed in.

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

Sub-friendly which retains workers and helps productivity.

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

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 \$ _____ /hr			
Shaftwall Installation			
First Floor - 2 Men (Boards, Channels, Clips & Spacers)		4 Hours at \$ _____ /hr	_____
Second Floor - 3 Men (Add Board and Parts Staging)		6 Hours at \$ _____ /hr	_____
Third Floor - 3 Men (Add Board and Parts Staging)		6 Hours at \$ _____ /hr	_____
Attic - 3 Men (Add Board and Parts Staging & Cutting Roof Slope)		6 Hours at \$ _____ /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 _____	per Sq. Ft. _____	_____
Additional Cost for 5/8" Type C or Type ULIX Drywall	# Sheets _____	per Sheet _____	_____
Total Cost of U370			_____

CONSIDER THE SANCTUARY TWO-HOUR FIREWALL FOR ALL YOUR FIREWALL REQUIREMENTS



For additional information call 800-224-0028 or visit www.twohourfirewall.com

