

## quiet | comfort | protected | sustainable

It's what every homeowner looks for when considering a new townhome purchase. These intangibles are very much dependent on your neighbors—those living on the other side of the wall. Good fences make great neighbors, and in the townhome dwelling, it's what is inside the wall that makes a great fence – a proven fire protector and superior sound and odor barrier.



### FIRE PROTECTION

Protection of personal property and treasured mementos is of paramount concern for residents.

- The SANCTUARY Two-Hour Firewall, UL-U370 assembly, has been rigorously tested by Underwriters Laboratories and has high performance fire protection capabilities.
- Ideal for townhomes and multi family construction
- Achieves a 2-hour fire resistance rating
- Affordable cost per square foot compared to alternative assemblies.

### LOWER ACH & REDUCED AIR INFILTRATION

To meet stringent energy efficiency codes, the SANCTUARY Two-Hour Firewall utilizes spray-applied Greenfiber<sup>®</sup> FRM Insulation that completely fills gaps, voids and hard-to-reach places, reducing unintended airflow. This helps to lower the air changes per hour (ACH), eliminating customer callbacks.

- Assists in meeting stringent energy efficiency codes (ACH 3 to ACH 5)
- Reduces odor transmission between units
- Mitigates blower door test failures

1. In field testing on identical 2x4 exterior wall types, Greenfiber<sup>®</sup> R-13 Stabilized Spray-Applied Insulation outperforms R-15 unfaced fiberglass batts by 4 NIC rating points (~60% reduction in sound power). The weak point in the assembly such as flanking through windows and doors will diminish the value of the reduction in sound power. Reduction in sound power is achieved through retrofitting, dense-packing or spray applying Greenfiber<sup>®</sup> into walls (contractor installation is recommended for these applications). See manufacturer's installation guide for full details on how to install to meet specifications.

### SOUND PERFORMANCE

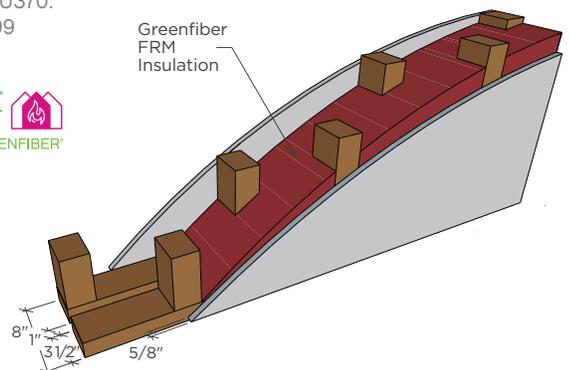
The SANCTUARY Two-Hour Firewall is designed to keep the racket of the outside world out, reducing the power of sound by 60%.<sup>1</sup>

- The SANCTUARY Two-Hour Firewall is engineered to achieve better sound abatement.
- The high STC 56 to 61 rating makes it one of the most effective sound blocking firewalls available to the building industry.

**2x4 double wall 16" on center staggered 1" gap between walls**  
**Greenfiber FRM Insulation spray-applied 5/8" sheetrock Type C or X**

Fire rating: 2HR: U/GA# U370:  
 STC testing RAL TL06-199

**SANCTUARY<sup>®</sup>**  
**TWO-HOUR FIREWALL**   
 by **GREENFIBER<sup>®</sup>**



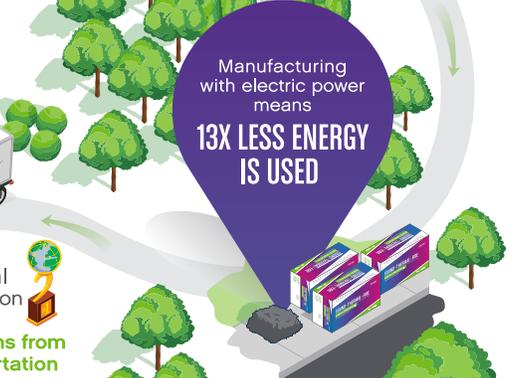
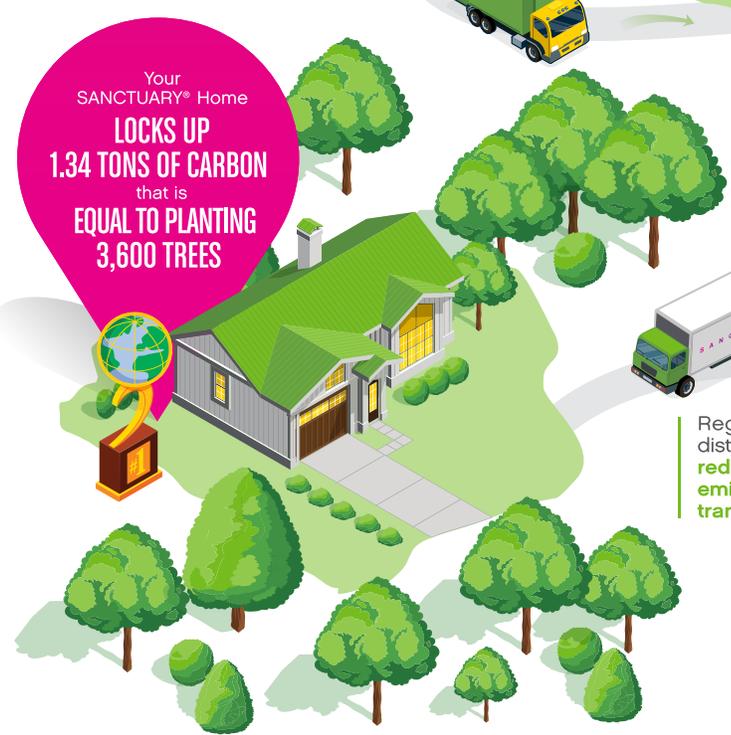
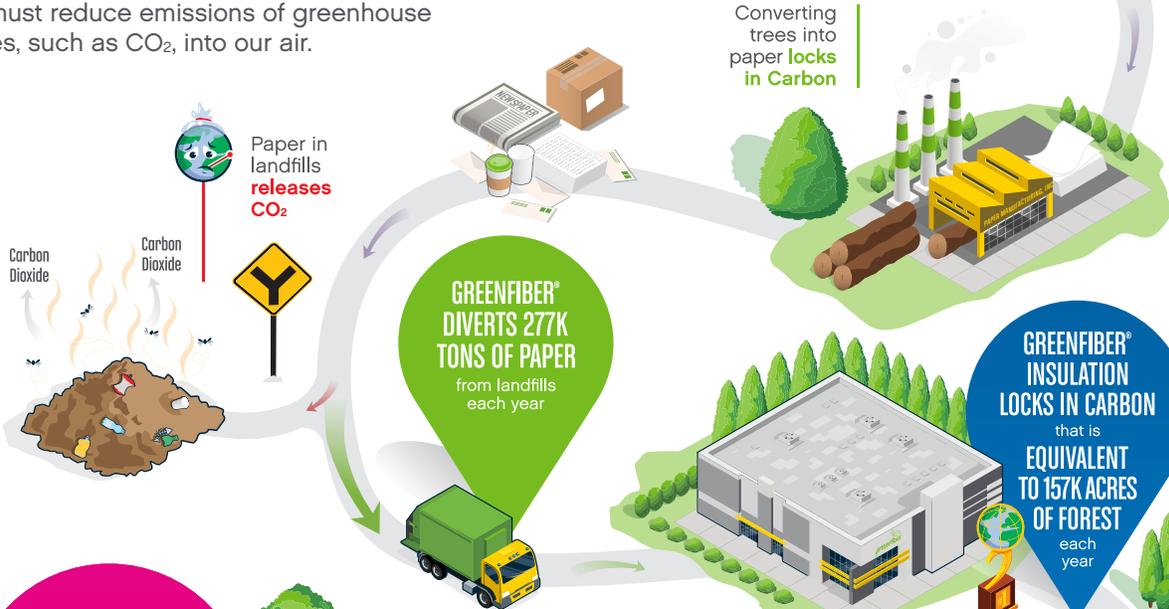
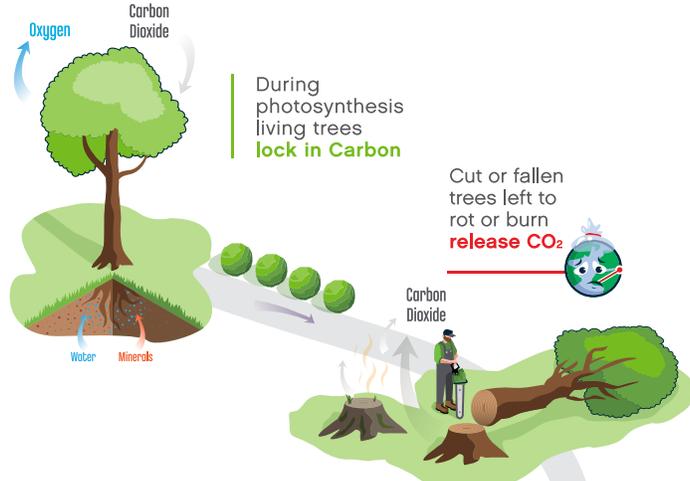
**TwoHourFirewall.com**  
**800.228.0024**



Follow the journey to see how Greenfiber® is reducing carbon emissions that contribute to global warming.

### Making an Impact with Materials, Manufacturing and Distribution

To stop global warming and climate change, we must reduce emissions of greenhouse gases, such as CO<sub>2</sub>, into our air.



1 Based on the CIMA/CIMAC LCA for manufacturing and WWF Biogenic Carbon Footprint Calculator for Harvested Wood Products. Tree sequestration statistics are based on the EPA Greenhouse Gas Equivalencies calculator @ <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>.  
 2 Comparison based on an R-30 value at one square foot coverage area. This comparison includes the production and energy used in the insulation manufacturing process. Based on Sustainability Impact Index - Prepared by Principal Partners.  
 3 Based on installing 235 bags of SANCTUARY in attic and walls of home.  
 4 Greenhouse gas equivalencies calculator (1.5 acres - based on planting trees 5 feet apart, equaling 2400 trees per acre).