

# PERMA "R" BRACE™ SIB

WE'VE GOT YOU COVERED

**NEW!**  
from  
Perma "R"  
Products®

## Durable, Cost-Saving, & Faster Installation

GPS (Graphite Polystyrene) rigid foam in conjunction with Perma R Products' Perma "R" Brace™, Perma "R" Brace SIB is a reversible, lightweight, 4-in-1 structural sheathing solution that provides four layers of enforced protection against water, moisture vapor, mold, and more. Perma "R" Brace SIB is today's energy-efficient and cost-effective insulative solution for architects, contractors, and builders.

## What is Perma "R" Brace SIB?

- Structural Insulative Board
- Complies with the energy code using 2" x 4" conventional framing instead of 2" x 6"
- Reduces thermal bridging

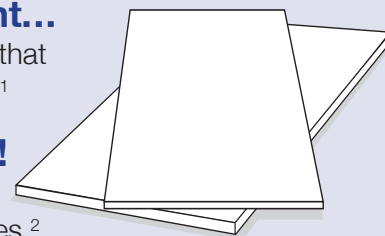


## Less Than Half the Weight...

of OSB, providing an easier install that cuts down on labor time and cost.<sup>1</sup>

## Save Up to 30% in Costs!

on full system install material when building to meet 2021 energy codes.<sup>2</sup>



### Superior Strength

- Improved Long-Term Thermal Resistance (LTTR)
- Weather-Resistant Barrier (WRB) on both sides
- Increased resistance against mold



### Code Compliant

- Complies with the 2012, 2015, 2018, and 2021 International Energy Codes for continuous insulative sheathing
- Neopor® GPS is GREENGUARD certified for Gold Indoor Air Quality
- Non-toxic materials



### Cost Efficient

- Stable pricing
- Material savings
- Reduced energy costs
- Reduced labor costs due to faster install



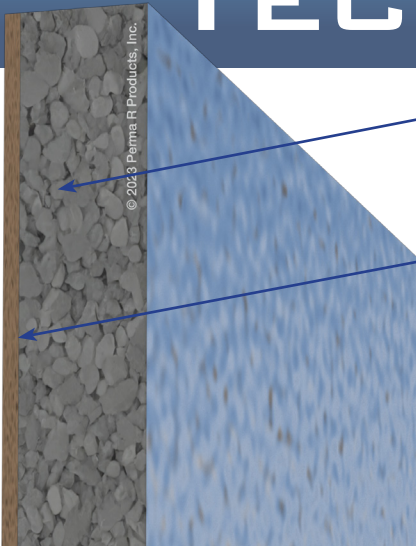
### Ease of Installation

- One product install, instead of three
- Can be used up to 24-inch on-center
- Reversible installation capability
- Lightweight structure

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<sup>1</sup> When compared to OSB system install. <sup>2</sup> Individual jurisdictions and municipalities may vary. Check with your local building officials for approval and acceptance.

# TECHNICAL DATA



## GPS

Unlike polyiso and XPS, GPS doesn't use HFC gas agents for R-value, which can deplete over time. XPS only retains 90% of its initial R-value over its lifetime and the R-value of GPS is up to 30% higher than EPS (white foam).

## Perma "R" Brace Structural Sheathing

Perma "R" Brace is a thin wall structural sheathing, with a composite core that provides the structural strength required while offering more weather-resistant barrier than OSB. It costs less than OSB or ZIP System® and is lighter, easier to handle, cut, and install.

## Make the switch to our 4-IN-1 Reversible Sheathing Solution

### 1 Weather Resistant

Replaces the need to add additional outside WRB protection, yet still protects against rain, water vapor, heat, cold, and more.

### 2 Air Barrier

Meets AIB requirements while providing improved air barrier properties, increased indoor air quality, and fire resistance.

### 3 R-Value

Two 2021 energy code options, R3 and R5, designed to resist conductive and convective heat flow via an outstanding thermal break system.

### 4 Structural

Both options can be used in place of OSB. R3 and R5 both meet structural requirements with test results you can trust.

## Insulation requirements as defined by the 2021 IECC U.S. Department of Energy Section R402

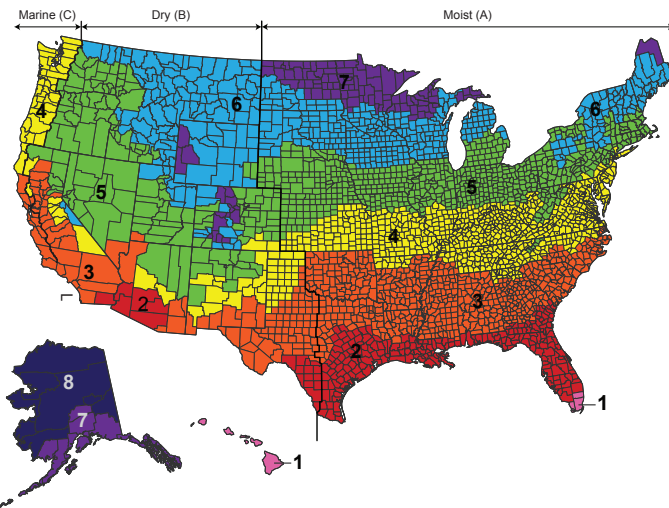


Table R402.1.2

Climate Zone	Wood Frame Wall R-Value
1	13
2	13
3	20 or 13 + 5 <sup>a</sup>
4 except Marine	30 or 20 + 5 <sup>a</sup>
5 and Marine 4	30 or 20 + 5 <sup>a</sup>
6	30 or 20 + 5 <sup>a</sup>
7 and 8	30 or 20 + 5 <sup>a</sup>

<sup>a</sup> First value is cavity insulation, second is continuous insulation, so "13+5" means R-13 cavity insulation plus R-5 continuous insulation.



## Introducing: Perma "R" Brace SIB GUARD

Patent-pending Perma "R" Brace SIB GUARD is an energy-efficient, structural sheathing that wraps around the corner of a structure, creating a complete enclosure that joins two separate walls into one continuous unit, while providing structural, WRB, and AIB benefits. Perma "R" SIB GUARD stops air leaks and moisture penetration at corners and eliminates the need for corner flashing, saving time and money for builders, architects, contractors, and homeowners.

Available in continuous insulation versions R3 & R5.

### Perma R Brace SIB Guard (Available in RED only)

66" x 96"
66" x 108"
66" x 120"

## SPECIFICATIONS (Use standard, readily available staple guns.)

Technical Certifications	Composition	Standard Sizes	Optional Sizes	Pallet/ Sheets	Thickness	Fasteners	Warranty
Green: TER 1709-07 Red: TER 1703-16	Perma "R" Brace with GPS	48" x 96" 48" x 108" 48" x 120"	48" x 120" 48 3/4" x 120" 48" x 132" 48 3/4" x 123" 48" x 144" 48 3/4" x 144"	R3: 70 R5: 40	R3: 5/8" R5: 1 1/8"	<b>Foam Outward:</b> R3: 15/16" x 1 3/4" leg 16-ga. staples R5: 15/16" x 2" leg 16-ga. staples <b>Foam Inward:</b> R3: 1 3/4" x 11-ga leg smooth-shank roofing nail R5: 1 3/4" x 11-ga ring-shank roofing nail	30-year Limited System

For use as a WRB noted in IRC section R703.2 and IBC section 1404.2, use PermaTak®, ProTak® or Perma R Products Sheathing Tape on joints and seams.



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