



Environmental Benefits of SIPs

- Less forest acreage is required to build a SIP home than a conventional wood framed house, reducing deforestation and contributing to carbon sinks
- SIPs are highly energy-efficient compared to conventional framed homes, reducing the energy requirements by 290 barrels of oil over the lifecycle of a typical 1,100 sq. ft. home. This results in reduced GHGs and other toxic emissions that cause global warming, acid rain and ozone depletion
- SIPs significantly reduce the waste generated during construction
- SIPs are 5 times stronger than stick built walls
- SIPs are built 3-5 times faster than stick built walls
- According to a recent Life Cycle Analysis (LCA) by BASF Corporation, SIPs have a significantly lower environmental impact than conventional wood framing with fiberglass insulation:
 - Reduced energy consumption
 - Reduced carbon emissions
 - Reduced water pollution
 - Reduced deforestation
 - Reduced damage to natural habitats
 - Reduced emissions of ozone harming gases



R-Therm™ STANDARD PROPERTIES	
Thickness	6"
Transverse Load - Roof (psf)	407
Transverse Load - Wall (psf)	78
Axial Load – Roof (lbs)	57,254
Racking Load (lbs)	6,627
Concentrated Load (300 lb proof, OSB)	Pass
Water Absorption - Roof (g/cm ²)	0.0024
Water Absorption – Wall (g/cm ²)	0.0023
Flame Spread Classification	25
Smoke Development Classification	675



The standard R-Therm™ product is an R=36 panel with nominal dimensions of 6" x 4'x8'. It weighs about 120 lb (54 kg).

Other custom panel configurations of up to 12' height are available.

R-Therm™ is now available in all Homes by Starblanket Homes™, a Division of TTS, Inc.