

True Cost of Insulation Based on R-Value Achieved

<u>Exterior Walls</u>	<u>GreenFiber™ Cocoon®</u>	<u>Glass Fiber Batts</u>
2 × 6 Framing - Net Thickness 5 1/2"	R - 20.85 = 3.79/inch	R - 18.33 = 3.33/inch
R-VALUE Loss through Air Convection as a PERCENTAGE	0%	Up to 50%
R-VALUE Based on Performance	R - 20.85	Varies R - 9.17 to 12.83 Average R - 11.00
Dollar Cost - Supplied & Installed	1.50 / Sq. Ft ² *	1.20 / Sq. Ft ² *
Actual Cost per R-Value	7.19¢	10.91¢

Based on R-Value Achieved in a Wall Cavity (Actual Performance) GreenFiber™ Cocoon® Insulation is **35% Cheaper** than Glass Fibre Batts and GreenFiber™ Cocoon® Insulation performance effectiveness is **90%** higher than that of Glass Fibre Batts

*Pricing in both examples include polythene and caulking

References Re R-Value Loss in Glass Fibre Batts

- Drexel Insulation Report** : 3% edge gaps around batts, produces 30% loss in effective R-Value
- Ortech International** : Glass Fibre Batts test over 52% less effective than GreenFiber™ Cocoon® Insulation in direct comparison at winter temperatures
- Thermal Energy Devices** : Convective Air currents reduce the effective R-Value of Glass Fibre Batts by 50%