

## Return on Investment for Upgrading Wall Insulation

	Effective Wall R Value	HDD calculated \$/season	Installed cost \$/sq ft 2x6 wall	Return on investment of addt'l insulation	Design Heat loss BTU/hr
base R 19 batt	16.5 R	\$150.36	\$0.75	NA	5011
Blown FG (example Spider)	19.4 R	\$127.88	\$1.50	0.0%	4262
2.5" XPS w/R19 Batt	28.9 R	\$85.84	\$3.55	-1.5%	2861
Blown FG with 1" interior Polyiso	25.9 R	\$95.79	\$2.35	0.8%	3192
outside design temp degrees		12			
indoor temp winter degrees		70			
Heating degree days		7251			
Energy cost inflation factor	3%				
			install cost per sq ft 2x6 wall installation		
R 21 batts	16.5 R		\$0.75		
Spider	23 R		\$1.50		
2.5" XPS	12.5 R		\$2.80		\$50/sheet plus extra for window boxes, furring, install
1" Polyiso interior	6.5 R		\$0.85		\$21/sheet plus extra for install