



COMPETITIVE COMPARISON CHART

	Carbon Guard	Steel I-Beams	Tie Back Plate Anchors	Competitor Fabric Carbon Fiber
Strength Comparisons	<p>450 GSM Carbon Fiber with Xtreme 4000 Epoxy makes the wall stronger than when it was built.</p> <p>Patented anchors create a system that far out performs competition by securing carbon fiber strap to sill plate and foundation.</p>	<p>Approximately 1/5 the strength of Carbon Fiber.</p> <p>In a bowing situation, a wall may continue to push flush to the beam if not mortared on the back side of the beam.</p> <p>Wall will tip and shear if unanchored to floor system and foundation.</p>	<p>Often fail to support the wall around the anchor point causing indents.</p> <p>Can contribute to water seepage through holes bored into wall for anchor rods.</p>	<p>Often bi-directional, which reduces strength of the carbon.</p> <p>Typically Lower GSM or weaker epoxy than Carbon Guard.</p> <p>Unanchored systems or inferior “fake” anchors fail to secure the carbon fiber to the home’s foundation and structure.</p>
Prevents Complete Wall Failure from Tipping Bowing & Shearing	YES	Depends on system, typically no.	NO	NO
Dependent on Soil Stability	NO	NO	YES	NO
Corrosive	NO	YES	YES	NO
Resale Impact	<p>Positive Impact: Can be painted over or hidden behind a finished wall. Educated home inspectors and realtors will be familiar with Carbon Fiber and the importance of anchoring.</p>	<p>Possible Negative Impact: Obvious red flag to home buyers.</p> <p>Beams in damp basements will show corrosion.</p>	<p>Negative Impact: Obvious red flag to home buyers.</p> <p>Possible indentation of blocks secured by plate.</p>	<p>Potential Positive & Negative Impacts: Can be painted over or hidden behind a finished wall. Lack of anchoring will be a red flag to educated home inspector and realtors.</p>
False or Deceptive Claims	None	<p>Can push wall back into place when used with spring brackets.</p> <p>(Limited success is possible during seasons with reduced hydrostatic pressure.)</p>	<p>Can pull wall back into place by regular tightening.</p> <p>(Can be overtightened causing wall failure)</p>	<p>10’s stronger than steel (Not true if using bi-directional carbon, if installed improperly, or unanchored)</p> <p>Wider is better (Some systems claim that a wider strap is stronger. There is plenty of strength in a 6” strap, wider is a gimmick)</p>