

# BENEFITS OF THE VESTA Quik Build System™



**T**he Vesta QBS uses Light Gauge Steel (LGS) components, and this system falls under the category of Lightweight Steel Framing & Panels among the many construction systems available in the world today. This category seeks to bring about a fundamental shift in the use of building materials by focusing on steel as the basic material, for several reasons, some of which are explained in the following:

The advantages of *VESTA QUIK BUILD*™ System can be classified in 2 main categories:

Immediate Advantages	Long-Term Advantages
<ul style="list-style-type: none"> <li>• Reduction in quantity of work</li> <li>• Safe and clean environment</li> <li>• No needs for specialist workers</li> <li>• No needs for specific tools</li> <li>• Less material wastes</li> <li>• Architectural versatility</li> </ul>	<ul style="list-style-type: none"> <li>• Quik &amp; High protection against earthquakes</li> <li>• Quik &amp; High protection against fires</li> <li>• Quik &amp; High wind protection</li> <li>• Respects environmental norms and tendencies</li> <li>• Quik &amp; High comfort apart from protection against insects</li> <li>• Reduces "after sale" services</li> <li>• Reduced absorption (house value doesn't change much through time)</li> <li>• Financial advantage if coupled with a mortgage system</li> <li>• Reduction towards fire insurance</li> <li>• Protects concrete against extreme temperature variation.</li> </ul>

## *Why is Steel a better construction material?*

- It has a high strength to weight ratio.
- It is 100% recyclable and can be recycled again and again without losing its physical properties.
- It is inorganic and will not rot, warp, split or crack
- It is dimensionally stable – does not expand or contract with moisture content.
- Because it is produced in strict accordance with national standards, there is no variation in quality from region to region.
- Steel is a non-combustible material and will not add fuel to a fire, or be susceptible to fire during an earthquake.
- LGS buildings such as those built using the Vesta System are *engineered* structures that can be designed to meet any degree of loading such as high seismic or high wind loads.

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## Benefits Of The Vesta Quik Build System

### *The Builder*

- The basic material – steel, has remained stable in price over the years.
- LGS is lightweight, which makes construction easier without the use of heavy construction equipment.
- It allows for better quality of construction, with straight walls, square corners and less visible defects.
- The consistent quality of LGS components reduces job site wastage and scrap.
- LGS components can be supplied to exact lengths and sizes, thus eliminating jobsite cutting or trimming.
- Steel wall panels and floor decking can provide excellent sound insulation and fire resistance ratings, based on design applications.
- With LGS wall panels systems such as the Vesta system, the quicker erection time means savings to the builder, developer or building owner through reduced financing costs.
- Steel construction has been in widespread use in developed countries and is now gaining wide-spread acceptance in developing countries.

### *A Home Owner*

- Vesta offers a strong, safe structure with low maintenance and a slow aging process.
- The construction materials used are non-combustible. They will not burn or melt and will not add fuel to the spread of a fire.
- Vesta Homes are resistant to termites or any types of organisms, and thus provide a healthier environment.
- The light weight of the structure reduces the possibility of foundation problems.
- The strong structure and light weight construction of Vesta Homes have a high resistance to wind and seismic forces.
- Vesta Homes are more energy efficient and have better thermal resistance properties than homes built of conventional materials.

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