



Advanced closed panel timber frame technology

Technology Overview

Timber frame has the lowest embodied CO2 of any commercially available building material, while delivering up to a 33% reduction in energy consumption for large detached houses and up to 20% for apartments. By selecting timber frame, a faster construction time is guaranteed and the costs of achieving higher Code levels is dramatically reduced. For these reasons alone timber frame is the fastest growing method of construction in the UK, widely adopted in social and private housing and accounts for about 75% of the self-build market.

Advanced 'closed panel' timber frame technology has become more prevalent in recent times and so Aptus have responded by introducing the Heco Topix Flange Head screw specifically for panel joints.

HECO Solution

Our range of Heco Topix screws encompasses a revolutionary point and shank design meaning that no pre-drilling is required. The fixing is easy to handle, permits faster driving speeds due to the higher thread pitch and significantly reduces the risk of splitting the wood.

Milling ribs within the fixing ensure that the head is clearly countersunk and thereby the head of the fixing does not interfere with adjoining or abutting panels.

The fixings have been assessed to BS EN 14592:2008 by TRADA Technology and is rapidly becoming the fixing of choice for many open and closed panel timber frame installers.



Client Testimonial

Closed panel timber frame technology is rapidly advancing in the UK market and Aptus have responded to this new market demand:

'Heco Topix provides a considerable degree of structural enhancement to the installed KII superstructure and from onsite experience we have demonstrated that the fixings contribute significantly to reduced installation times, with each dwelling erected in two days. We have found through experience that the supply of Heco fixings through Aptus ensures that consistent performance, quality and accuracy are achieved with every fixing.' Bruce Newlands – Kraft Architecture

