

Thin Joint Technology

INTEGRATED-WALLING

Overview

Thin joint masonry is accepted as a Modern Method of Construction (MMC). The combination of large format blocks (440 x 330mm) and thin joint mortar (3mm) give a variety of benefits:

- ▣ Increased speed of construction
- ▣ Reduced waste and mess
- ▣ Faster set rate
- ▣ Improved air tightness

The process is slightly different to standard blocklaying, with a mortar scoop used to apply the thin bed of mortar rather than a trowel. The special mortar is created by whisking powder and water to a creamy consistency with a drill attached to a paddle mixer. The nature of the blocks ensures cuts can easily be made with a masonry hand saw, whilst helical cavity wall ties are simply hammered in to suit.



THERMALITE

Tarmac

Featured Project - Lawn House



This pioneering project utilises a number of I-W solutions working in harmony. In this instance the extra strength in tension of the thin joint mortar is ideal for constructing the prefabricated brickwork/blockwork panels. It enables the bricklaying to be done off site in controlled conditions, and the large panels are then sturdy enough to be transported via lorry and craned into position on site.

This technique contributes towards obtaining level 6 in the code for sustainable homes.



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