Masonry Frame Systems

Thin Joint System Factsheet

The MFS System

- **A unique solution to meet the demands of today's construction industry**
- **All the benefits of traditional construction together with the speed, efficiency & productivity of system building**
- **A 'masonry alternative to timber frame'**
- **A typical pair of semi-detached houses from 'oversite to watertight' in ten working days**
- **Reducing the susceptibility to inclement weather**
- **Fast, accurate and clean construction using aircrete blocks & special mortar that is structurally sound in 2 hours**
- **Improved build standards achieving significant improvements in air tightness, thermal & sound performance**
- **Thin Joint masonry together with integrated engineered flooring systems & roofing systems**
- **Achieving the very latest standards for Building Regulations & the Code for Sustainable Homes**
- **No deposits or 'upfront' payments**

Build Quality

- Improved Build Accuracy
- Improved Air tightness & Sound performance
- Enhanced Thermal performance
- Robustness of Solid Masonry
- Reduced Defects
- Greater Thermal Mass
- Enhanced Thermal Bridging
- Controlled mix & application of mortar
- Option for Flood Resilient Design
- Can accommodate bespoke or individual design

Build Cost

- Most 'Cost Effective' solution to achieve CfSH
- 50% Saving in Renewable Technologies
- Comparable with traditional with saving in Prelims
- Cost effective alternative to 'off site' manufacture
- 8% cheaper than Timber Frame
- All the advantages of 'off-site' manufacture without production costs
- No Up Front Payments or Deposits required
- Reduced Waste

Speed of Production

- Reduced Build times
- Short Lead times
- Greater Assurance of Delivery
- Reduced Weather Susceptibility
- Continuous Vertical Production
- Early installation of Floors, Roofs & Internal Walls
- Brickwork taken off Critical Path
- No need to load roof prior to External Leaf construction
- Improved Insulation Installation
- Ease of Adaptability

Compliance

- Standard Design achieves the Code for Sustainable Homes
- A 'Fabric First' approach reduces dependency on Renewables
- Thin Joint adopted by HA's to meet Code Level 3 & 4
- Excellent solution Passivhaus construction
- Superior thermal performance meets the standards set for CfSH
- Satisfies the latest standards of Part E and L of the Building Reg's
- Complies with the latest Robust Details
- Environmentally sound 'A' rated according to the Green Guide to Housing

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