



Silka Element System Factsheet

Masonry Frame Systems

The MFS Silka System

- **A unique solution to meet the demands of today's construction industry**
- **All the benefits of conventional construction with the speed & efficiency of system building**
- **A 'hybrid' masonry / concrete frame solution**
- **Fully load bearing up to 10 storeys**
- **Reduces the susceptibility to inclement weather**
- **Substantially quicker and more cost effective than a conventional Reinforced Concrete frame and infill**
- **Able to meet Approved Document A3 Disproportionate Collapse Class 2A and 2B**
- **Excellent Acoustic Performance and Fire Resistance of Solid Masonry and PCC Concrete**
- **Offer a Structural Design Solution and Warranty**

Build Quality

- Improved Build Accuracy
- Improved Air tightness & Sound performance
- Robustness of Solid Masonry & PC Concrete
- Minimal Shrinkage
- Significant Reduced Defects
- Great Thermal Mass and Fire Resistance
- Controlled mix & application of mortar
- No cutting / dust prevention / manual handling
- Option for Flood Resilient Design
- Can accommodate bespoke or individual design

Build Cost

- More 'Cost Effective' solution than RC Frame
- Considerable Time and Cost savings in Prelims and Finance Costs
- Cost effective alternative to 'off site' manufacture
- Lower insurance risk and costs
- Reduced Design Time and Costs
- All the advantages of 'off-site' manufacture without production costs
- Zero Waste

Speed of Production

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

Compliance

- NHBC Approved and BBA Certified
- Structural Design and Warranty
- Meets App Doc A3 Disproportionate Collapse Class 2A & 2B
- Advanced and Environmentally friendly manufacturing process
- Raw materials available in almost unlimited supply
- BIM Compliant
- Eliminates Manual Handling and On site cutting