



## Structural Thermal Break Plate - Farrat TBL

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### Detailed description

High performance thermal insulators, used between horizontal and vertical connections of internal and external elements to prevent thermal or cold bridging. Farrat TBL is constructed from a premium grade material with high compressive strength characteristics, combined with a low thermal conductivity.

They can be used in a wide variety of applications where there is a structural requirement for thermal insulation, such as steel to steel, steel to concrete/ masonry, steel to timber and concrete to concrete.

### Benefits:

- An effective solution to meeting Building Regulations by reducing heat loss and internal condensation.
- Not a proprietary mechanical thermal break, so offers flexibility in detailing the connection.
- Supported by independent material testing to European building insulation standards.
- Certification and product approvals by recognized organizations (SCI, BRE and NHBC).
- Manufactured under Farrat's ISO9001 and ISO14001 systems.

### Features:

- High strength.
- Low thermal conductivity coefficient.
- Available in a variety of thicknesses.
- Manufactured to suit the connection detail (bespoke).

### Applications:

- Facade system connections to primary frames.
- Brise soleil and canopies.
- Roof plant enclosures – columns.
- Cladding systems.
- Balustrading.
- Connection of external to internal primary building elements.
- Balconies.
- Staircases.
- Isolation of sub-structure and basement elements.
- Man-safe systems.
- Connections to existing structures.

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## Product guidance - As Standard

### Technical properties:

- Compressive strength: Characteristic: 89 MPa; Design: 70 MPa.
- Elastic modulus: 2586 MPa.
- Thermal conductivity: 0.292 W/m·K.
- Density: 1137 kg/m<sup>3</sup>.
- Water absorption: 0.48%.

## Product specification

### Manufacturer

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**Product reference**      Structural Thermal Break Plate - Farrat TBL

**Thickness**              5 mm  
                                 10 mm  
                                 15 mm  
                                 20 mm  
                                 25 mm

**Size**                      [                      ]

**Holes**                    [                      ]