



Structural Thermal Break Plate - Farrat TBK

Generated on 14.05.2019



Detailed description

High performance thermal insulators, used between horizontal and vertical connections of internal and external elements to prevent thermal or cold bridging. Farrat TBK is constructed from materials which have very high compressive strength characteristics combined with a very low thermal conductivity.

The insulators 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:

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

Applications:

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

Farrat Isolevel Ltd
Balmoral Road
Altrincham
Cheshire
WA15 8HJ

Tel: +44 (0)161 924 1600

www.farrat.com
sales@farrat.com



Product guidance - As Standard

Technical properties:

- Compressive strength: Characteristic: 312 MPa; Design: 250 MPa.
- Elastic modulus: 4100 MPa.
- Thermal conductivity: 0.187 W/m·K.
- Density: 1465 kg/m³.
- Water absorption: 0.14%.
- Long term creep: 20%.

Product specification

Manufacturer

- Name: Farrat Isolevel Ltd
- Web: www.farrat.com
- Email: sales@farrat.com
- Tel: +44 (0)161 924 1600
- Fax: +44 (0)161 924 1616
- Address: Balmoral Road, Altrincham, Cheshire WA15 8HJ

Product reference Structural Thermal Break Plate - Farrat TBK

Thickness 5 mm
 10 mm
 15 mm
 20 mm
 25 mm

Size []

Holes []



Structural Thermal Break Plate - Farrat TBL

Generated on 14.05.2019



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/m³.
- Water absorption: 0.48%.

Product specification

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