



CERTIFICATE OF APPROVAL
No CF 429

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

ETEX BUILDING PERFORMANCE LTD

**Gordano House, Marsh Lane, Easton-in-Gordano, Bristol, BS20
ONE, United Kingdom
Tel: 0800 145 6033**

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT

**Durasteel Partitions and Ceiling
Membranes**

TECHNICAL SCHEDULE

**TS49 Vertical and Horizontal
Separating Elements**

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued: 13th April 2006
Reissued: 5th July 2024
Valid to: 29th September 2028





CERTIFICATE No CF 429

ETEX BUILDING PERFORMANCE LTD

Durasteel Partition and Ceiling Membranes Assemblies

1. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
2. This approval relates to the use of the above partitions and ceiling membrane assemblies in providing fire resistance of up to 240 minutes integrity for uninsulated assemblies, or integrity and insulation, for insulated assemblies, as defined in BS EN 1364-1: 2015 and BS EN 1364-2: 2018.
3. The partitions and ceiling membranes are approved on the basis of:
 - i) Initial type testing
 - ii) Audit testing at the frequency specified in TS49
 - iii) A design appraisal against TS49
 - iv) Inspection and surveillance of factory production control
 - v) Production surveillance under ISO 9001: 2015
4. The partition and ceiling membrane assemblies comprise Durasteel board screwed to a steel framework and for insulated construction include mineral wool insulation.
5. This approval is applicable to insulated and uninsulated Durasteel partition and ceiling membrane assemblies as described within this Certificate.
6. The partition and ceiling membrane assemblies shall be mechanically fixed to wall and/or floor constructions or structural steel members having a fire resistance of at least the same period as the partition or ceiling membrane.
7. The approval relates to ongoing production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

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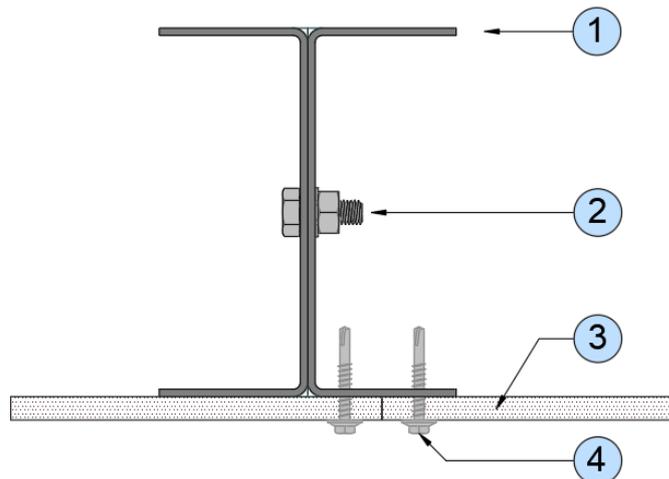
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Durasteel Self-Supporting Ceiling Assemblies – Integrity only

This approval relates to a Durasteel self-supporting ceiling assembly in terms of the integrity criteria of BS EN 1364-2: 2018. **Fire exposure from below only.**

Up to 240 minutes

The minimum specification for the Durasteel self-supporting ceiling assembly is as follows:



- 1: Back-to-back 150mm x 60mm x 3mm CRC's at 1200mm centres
- 2: M10 x 25mm Bolt at 500mm centres
- 3: 9.5mm DURASTEEL®
- 4: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 200mm centres.

The maximum span of the self-supporting ceiling assembly is 4400mm. The width of the ceiling assembly is unrestricted.

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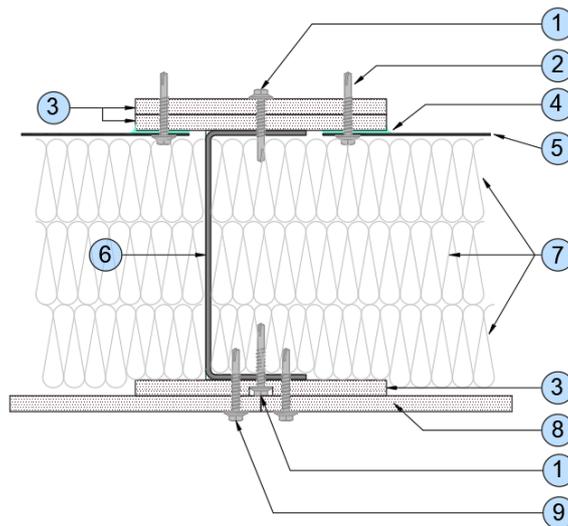
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Durasteel Self-Supporting Ceiling Assemblies – Integrity and Insulation

This approval relates to Durasteel self-supporting ceiling assemblies in terms of the integrity and insulation criteria of BS EN 1364-2: 2018. **Fire exposure from above and below.**

240 minutes integrity and 120 minutes insulation

The minimum specification for the Durasteel self-supporting ceiling assembly is as follows:



- 1: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 600mm centres
- 2: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 300mm centres
- 3: 150mm x 9.5mm DURASTEEL® Fillets
- 4: Silicone Sealant
- 5: Galvanised Steel Sheet, 0.7mm thick
- 6: 150mm x 60mm x 3mm CRC's at 600mm centres
- 7: 3 layers, 50mm x 140kg/m³ Stone Wool
- 8: 9.5mm DURASTEEL®
- 9: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 200mm centres

The maximum span of the self-supporting ceiling assembly is 4400mm. The width of the ceiling assembly is unrestricted.

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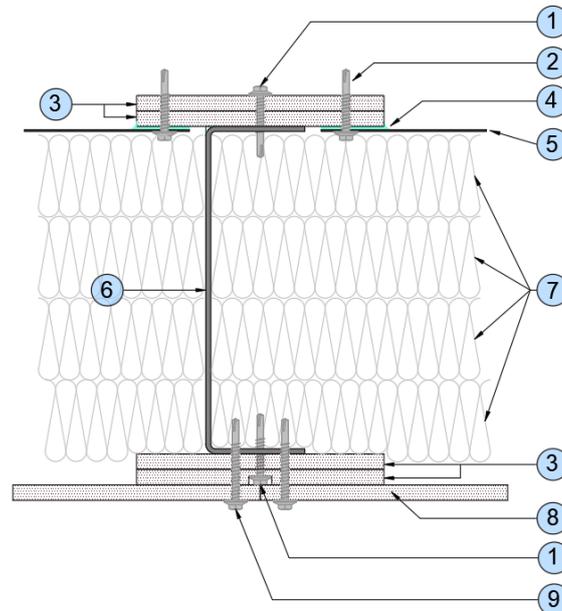
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Durasteel Self-Supporting Ceiling Assemblies – Integrity and Insulation

This approval relates to Durasteel self-supporting ceiling assemblies in terms of the integrity and insulation criteria of BS EN 1364-2: 2018. **Fire exposure from below only.**

240 minutes integrity and 240 minutes insulation

The minimum specification for the Durasteel self-supporting ceiling assembly is as follows:



- 1: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 600mm centres
- 2: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 300mm centres
- 3: 150mm x 9.5mm DURASTEEL® Fillets
- 4: Silicone Sealant
- 5: Galvanised Steel Sheet, 0.7mm thick
- 6: 200mm x 60mm x 3mm CRC's at 600mm centres
- 7: 4 layers, 50mm x 140kg/m³ Stone Wool
- 8: 9.5mm DURASTEEL®
- 9: M5.5 x 50mm Self-drill, Self-tap TEK Screws at max 200mm centres

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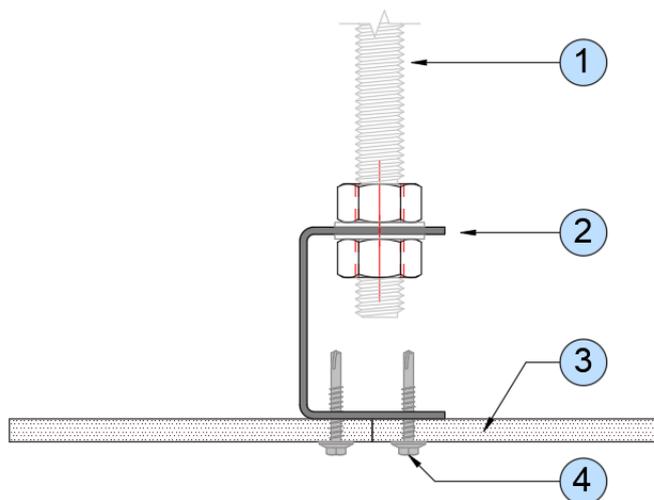
The maximum span of the self-supporting ceiling assembly is 4400mm. The width of the ceiling assembly is unrestricted.

Durasteel Suspended Ceiling Assemblies – Integrity only

This approval relates to a Durasteel suspended ceiling assembly in terms of the integrity criteria of BS EN 1364-2: 2018. **Fire exposure from below only.**

Up to 240 minutes integrity

The minimum specification for the Durasteel suspended ceiling assembly is as follows:



- | |
|--|
| 1: M20 Threaded Rod at 1500mm centres |
| 2: 80mm x 60mm x 3mm CRC's at 1200mm centres |
| 3: 9.5mm DURASTEEL® |
| 4: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 200mm centres. |

The maximum dimensions of the Durasteel suspended ceiling assembly are unrestricted.

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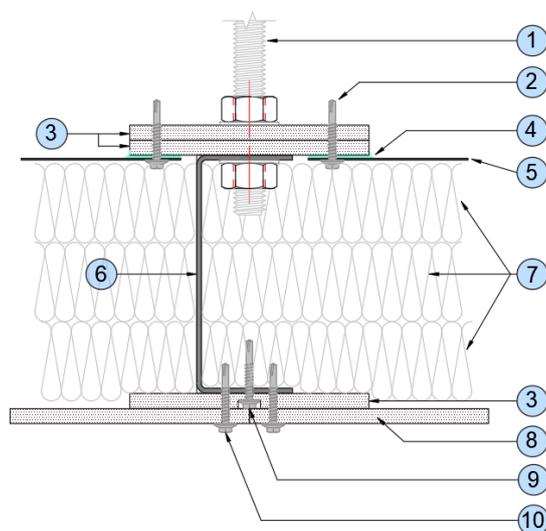
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Durasteel Suspended Ceiling Assemblies – Integrity and Insulation

This approval relates to Durasteel suspended ceiling assemblies in terms of the integrity and insulation criteria of BS EN 1364-2: 2018. **Fire exposure from below only.**

240 minutes integrity and 120 minutes insulation

The minimum specification for the Durasteel suspended ceiling assembly is as follows:



- 1: M20 Threaded Rod at 1500mm centres
- 2: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 300mm centres
- 3: 150mm x 9.5mm DURASTEEL® Fillets
- 4: Silicone Sealant
- 5: Galvanised Steel Sheet, 0.7mm thick
- 6: 150mm x 60mm x 3mm CRC's at 600mm centres
- 7: 3 layers, 50mm x 140kg/m³ Stone Wool
- 8: 9.5mm DURASTEEL®
- 9: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 600mm centres
- 10: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 200mm centres

The maximum dimensions of the Durasteel suspended ceiling assembly are unrestricted.

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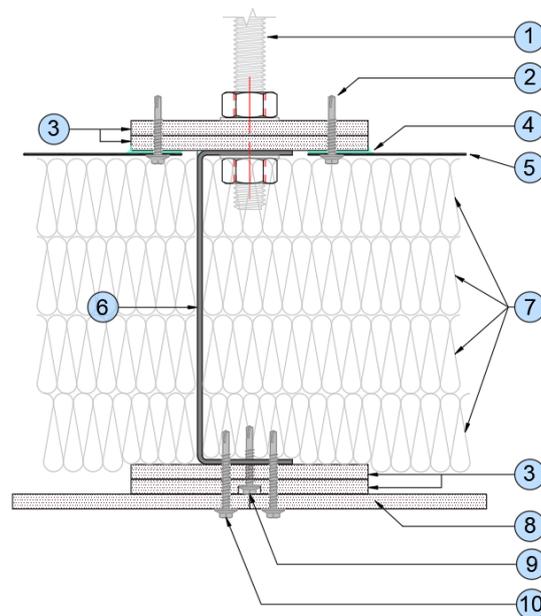
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Durasteel Suspended Ceiling Assemblies – Integrity and Insulation

This approval relates to Durasteel suspended ceiling assemblies in terms of the integrity and insulation criteria of BS EN 1364-2: 2018. **Fire exposure from below only.**

240 minutes integrity and 240 minutes insulation

The minimum specification for the Durasteel suspended ceiling assembly is as follows:



- 1: M20 Threaded Rod at 1500mm centres
- 2: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 300mm centres
- 3: 150mm x 9.5mm DURASTEEL® Fillets
- 4: Silicone Sealant
- 5: Galvanised Steel Sheet, 0.7mm thick
- 6: 200mm x 60mm x 3mm CRC's at 600mm centres
- 7: 4 layers, 50mm x 140kg/m³ Stone Wool
- 8: 9.5mm DURASTEEL®
- 9: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 600mm centres
- 10: M5.5 x 50mm Self-drill, Self-tap TEK Screws at max 200mm centres

The maximum dimensions of the Durasteel suspended ceiling assembly are unrestricted.

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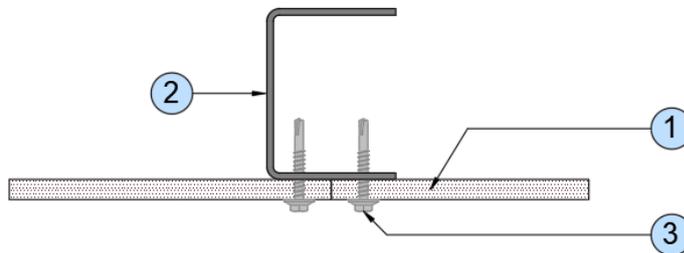
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Durasteel Partition Assemblies – Integrity only

This approval relates to a Durasteel partition assembly in terms of the integrity criteria of BS EN 1364-1: 1999. **Fire exposure from both sides.**

Up to 240 minutes integrity

The minimum specification for the Durasteel partition assembly is as follows:



- 1: 9.5mm DURASTEEL®
- 2: 80mm x 60mm x 3mm CRC's at 1200mm centres
- 3: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 200mm centres

The maximum height of the Durasteel partition assembly is 3000 mm high and the maximum width is unrestricted.

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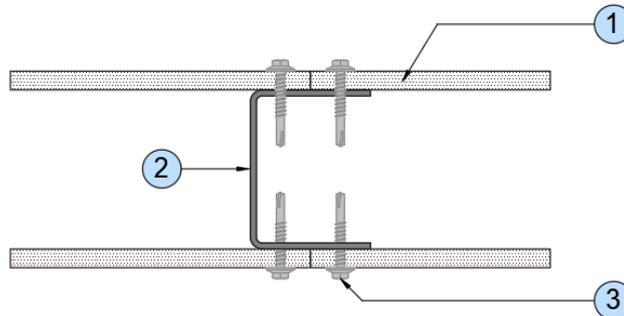
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Durasteel Partition Assemblies – Integrity and Insulation

This approval relates to a Durasteel partition assembly in terms of the integrity and insulation criteria of BS EN 1364-1: 1999. **Fire exposure from both sides.**

240 minutes integrity and 30 minutes insulation

The minimum specification for the Durasteel partition assembly is as follows:



- | |
|---|
| 1: 9.5mm DURASTEEL® |
| 2: 80mm x 60mm x 3mm CRC's at 1200mm centres |
| 3: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 200mm centres |

The height of the Durasteel partition assembly may be increased up to maximum 4000mm (subject to increasing the expansion allowances pro-rata) and the maximum width is unrestricted.

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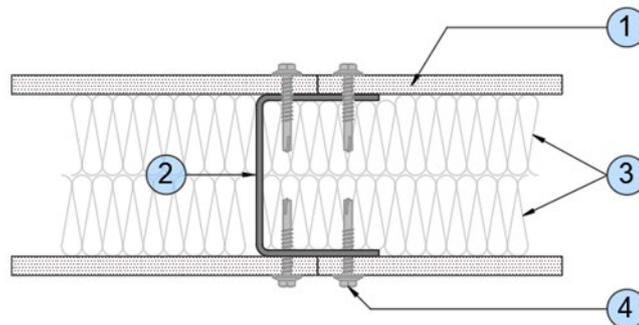
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Durasteel Partition Assemblies – Integrity and Insulation

This approval relates to a Durasteel partition assembly in terms of the integrity and insulation criteria of BS EN 1364-1: 1999. **Fire exposure from both sides.**

60 minutes integrity and 60 minutes insulation

The minimum specification for the Durasteel partition assembly is as follows:



- 1: 9.5mm DURASTEEL®
- 2: 80mm x 60mm x 3mm CRC's at 1200mm centres
- 3: 2 layers, 40mm x 45kg/m³ Stone Wool
- 4: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 200mm centres

The height of the Durasteel partition assembly may be increased up to maximum 4000mm (subject to increasing the expansion allowances pro-rata) and the maximum width is unrestricted.

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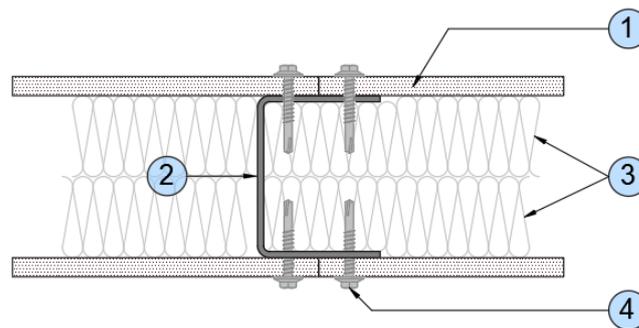
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Durasteel Partition Assemblies – Integrity and Insulation

This approval relates to a Durasteel partition assembly in terms of the integrity and insulation criteria of BS EN 1364-1: 1999. **Fire exposure from both sides.**

240 minutes integrity and 60 minutes insulation

The minimum specification for the Durasteel partition assembly is as follows:



- 1: 9.5mm DURASTEEL®
- 2: 80mm x 60mm x 3mm CRC's at 1200mm centres
- 3: 2 layers, 40mm x 45kg/m³ Stone Wool
- 4: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 200mm centres

The maximum height of the Durasteel partition assembly is 3000 mm high and the maximum width is unrestricted.

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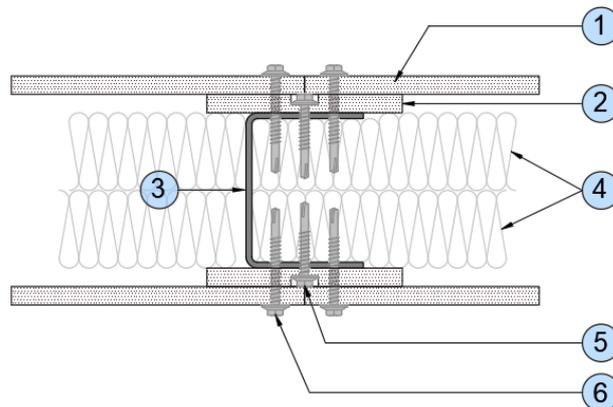
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Durasteel Partition Assemblies – Integrity and Insulation

This approval relates to a Durasteel partition assembly in terms of the integrity and insulation criteria of BS EN 1364-1: 1999. **Fire exposure from both sides.**

240 minutes integrity and 120 minutes insulation

The minimum specification for the Durasteel partition assembly is as follows:



- 1: 9.5mm DURASTEEL®
- 2: 100mm x 9.5mm DURASTEEL® Fillets
- 3: 80mm x 60mm x 3mm CRC's at 1200mm centres
- 4: 2 layers, 50mm x 80kg/m³ Stone Wool
- 5: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 600mm centres
- 6: M5.5 x 50mm Self-drill, Self-tap TEK Screws at max 200mm centres

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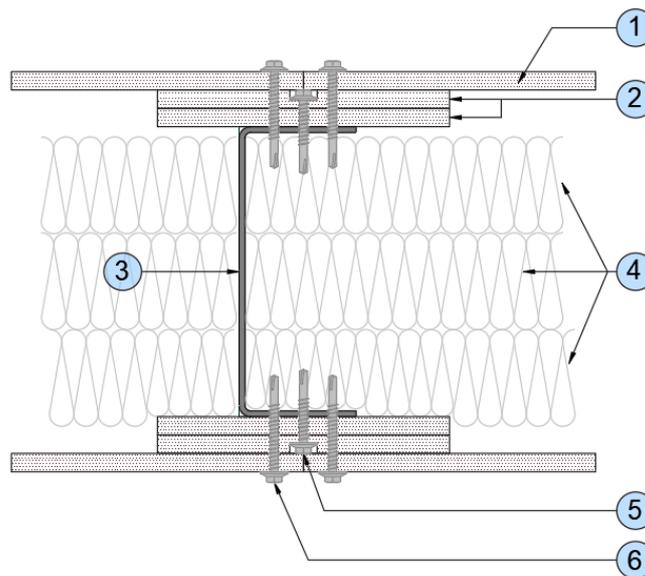
The height of the Durasteel partition assembly may be increased up to maximum 4000mm (subject to increasing the expansion allowances pro-rata) and the maximum width is unrestricted.

Durasteel Partition Assemblies – Integrity and Insulation

This approval relates to a Durasteel partition assembly in terms of the integrity and insulation criteria of BS EN 1364-1: 1999. **Fire exposure from both sides.**

240 minutes integrity and 240 minutes insulation

The minimum specification for the Durasteel partition assembly is as follows:



- 1: 9.5mm DURASTEEL®
- 2: 150mm x 9.5mm DURASTEEL® Fillets
- 3: 150mm x 60mm x 3mm CRC's at 1200mm centres
- 4: 3 layers, 50mm x 140kg/m³ Stone Wool
- 5: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 600mm centres
- 6: M5.5 x 50mm Self-drill, Self-tap TEK Screws at max 200mm centres

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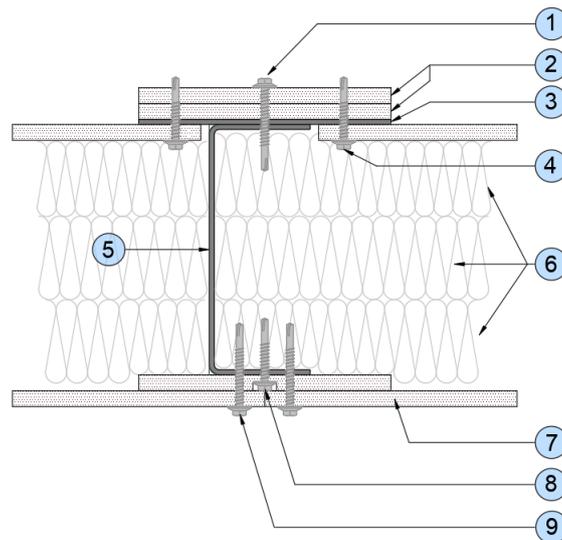
The height of the Durasteel partition assembly may be increased up to maximum 4000mm (subject to increasing the expansion allowances pro-rata) and the maximum width is unrestricted.

Durasteel Shaft Wall – Integrity and Insulation

This approval relates to a Durasteel partition assembly in terms of the integrity and insulation criteria of BS EN 1364-1: 2015. **Fire exposure from both sides.**

240 minutes integrity and 120 minutes insulation

The minimum specification for the Durasteel partition assembly is as follows:



- 1: M5.5 x 50mm Self-drill, Self-tap TEK Screws at max 250mm centres
- 2: 150mm x 9.5mm DURASTEEL® Fillets
- 3: 150mm x 3mm Flat steel plate
- 4: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 250mm centres
- 5: 150mm x 60mm x 3mm CRC's at 1200mm centres
- 6: 3 layers, 50mm x 80kg/m³ Stone Wool
- 7: 9.5mm DURASTEEL®
- 8: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 250mm centres
- 9: M5.5 x 50mm Self-drill, Self-tap TEK Screws at max 250mm centres

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The height of the Durasteel partition assembly may be increased up to maximum 4025mm (subject to increasing the expansion allowances pro-rata) and the maximum width is unrestricted.

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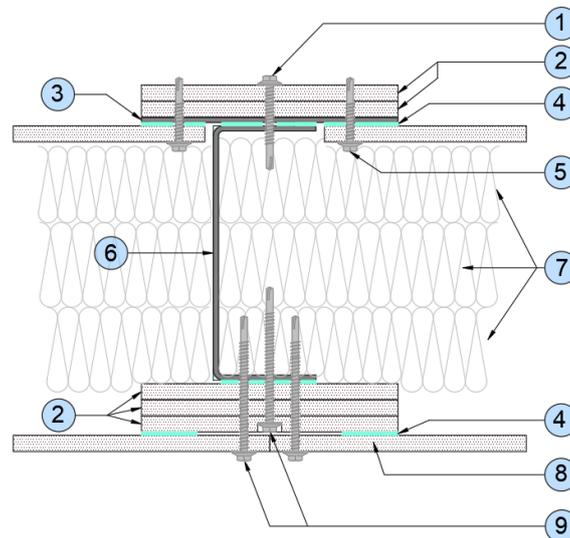
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Durasteel Shaft Wall – Integrity and Insulation

This approval relates to a Durasteel partition assembly in terms of the integrity and insulation criteria of BS EN 1364-1: 2015. **Fire exposure from both sides.**

240 minutes integrity and 240 minutes insulation

The minimum specification for the Durasteel partition assembly is as follows:



- 1: M5.5 x 50mm Self-drill, Self-tap TEK Screws at max 250mm centres
- 2: 150mm x 9.5mm DURASTEEL® Fillets
- 3: 150mm x 3mm Flat steel plate
- 4: FSi Promat Pyrolastic Silicone Sealant
- 5: M5.5 x 38mm Self-drill, Self-tap TEK Screws at max 250mm centres
- 6: 150mm x 60mm x 3mm CRC's at 1200mm centres
- 7: 3 layers, 50mm x 140kg/m³ Stone Wool
- 8: 9.5mm DURASTEEL®
- 9: M5.5 x 80mm Self-drill, Self-tap TEK Screws at max 250mm centres

The height of the Durasteel partition assembly may be increased up to maximum 4025mm (subject to increasing the expansion allowances pro-rata) and the maximum width is unrestricted.

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