

Keystone Lintels
Experience in
design, innovation,
and specification.

Product Standards

EN 845-2

Specification for ancillary components for masonry: Lintels

EN 846-9

Methods of test for ancillary components for masonry. Determination of flexural resistance and shear resistance of lintels

PD 6697

Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2

Product Certification

UKCA Marking: Lucideon – 1289
CE Marking: TZUS - 1020
Agrément: BBA – 98/3493
Agrément: BBA – 18/5499
Agrément: BBA – 24/7284
Agrément: BBA – 23/6860
ISO 9001: BBA – 18/Q059
ISO 14001: BBA – 18/E019
EN 1090 UKCA: BBA – 0836
EN 1090 CE: EuroFins – 0809

EN 845-2 Table C.1

L1 – Stainless Steel 316
L3 – Stainless Steel 304
L10 – Galvanised Steel 100 µm
L11 – Galvanised Steel 65 µm
L12.1 – Galvanised Steel 42 µm
L14 – Galvanised Steel 42 µm
L16.1 – Galvanised Steel 20 µm
L16.2 – Galvanised Steel 20 µm



Technical Guidance

Insulation

Keystone cavity wall lintels are fully insulated with either expanded polystyrene (EPS) or Mineral Wool insulation in accordance with our BBA Agrément Certificates. Lintel insulation completely fills all voids, particularly at the apex, ensuring continuity of the wall insulation and reducing the cold bridge effect in this area.

Expanded Polystyrene Insulation:

Moulded blocks of EPS manufactured in accordance with EN 13163 are used to create Keystone Lintels unique rigid insulation profiles. EPS is a dimensionally stable product, resistant to attack from bacteria, mould and fungi. Keystone EPS inserts contain no CFCs or HCFC gases and has a zero Ozone Depletion Potential (ODP) and Global Warming Potential (GWP). EPS can be recycled at the end of its service life.

EPS 70 (White):

- 15 -20% of material used in manufacturing is derived from recycled content.
- **Declared Thermal Conductivity:** 0.038 W/mK.
- Commonly used in all types of cavity wall lintels as standard, excluding custom designs.

PlusTherm EPS 100 (Grey):

- 20% of material used in manufacturing is derived from recycled content.
- **Declared Thermal Conductivity:** 0.030 W/mK.
- Commonly used in "Hi Therm+" lintel range.

Glass Mineral Wool Insulation:

Manufactured in accordance with EN 13162. Deemed non-combustible class A1 'No contribution to fire' per Commission decision 96/603/EC. Mineral Wool is flexible and therefore can be used as an insulating insert (friction fitting) in all Keystone Lintel cavity wall sections. Mineral wool is durable, rot proof, water resistant and contains no ozone-depleting substances or greenhouse gases.

DriTherm Cavity Slab 37:

- 80% of material used in manufacturing is derived from recycled content.
- **Declared Thermal Conductivity:** 0.037 W/mK.
- Commonly used in custom designs.

Superwall 36:

- 84% of material used in manufacturing is derived from recycled content.
- **Declared Thermal Conductivity:** 0.036 W/mK.
- Commonly used in custom designs.

For further information please contact Keystone Lintels technical team.