

Stone Shield Fire Barrier EN – Product Datasheet



PRODUCT DESCRIPTION

Stone Shield Fire Barrier EN is a wire-reinforced, high-density fire-resistant curtain manufactured using our proprietary basalt stone fibers. Designed to inhibit the spread of fire and smoke through building cavities, it offers superior performance for both horizontal and vertical applications and meets the requirements of BS the latest EN 1364-1:2015

KEY FEATURES

- Up to EI 120 fire resistance (BS EN 1364-1:2015)
- Fully tested at 50mm thk WF report No.521289/R and 60mm thk WF report No.544490/R
- Basalt stone fiber construction
- Wire-reinforced for structural strength
- Foil facing (optional on 1 or 2 sides)
- Lightweight and easy to install
- Fully tissue encapsulated for fiber free handling
- Reduces flanking sound transmission

APPLICATIONS

- Cavity barriers above partitions
- Concrete soffits and floor slabs
- Timber trusses and joists
- Suspended ceiling voids
- With service penetrations

PRODUCT SPECIFICATION

Length: 4000 mm (other lengths on request)

Width: 1000 mm and slit to centers 250mm/333mm (other centers on request)

Thickness: 50 mm and 60mm

Facing: Foil (1-side / 2-side)

Material: Basalt stone wool + wire mesh

Fire Resistance: Up to EI 120 (application-dependent)

PERFORMANCE

Fire Resistance:

Tested to BS EN 1364-1:2015 and BS EN 1634-1:2014+A1:2018.

Achieves up to EI 120 depending on installation.

Historically tested/conforms to the following standards:

BS476:part 4, 1970 non-combustibility of building materials

BS476: part 6,1989 Fire propagation of building materials

BS479: part 7,1987 surface spread of Flame

BS476:part22,1987 Fire tested for building materials in non load bearing elements of construction

Acoustic Performance:

Provides excellent acoustic absorption in cavity spaces.

1	Typical wet felt ceiling tile in lay-in-grid system	30db
2	As above + 50mm thick TC hung vertically from soffit leaving no gap and with a 150mm overlap on top of ceiling	43 db
3	installed as 2 but fireshield faced with foil on one side	45 db
4	2 independantly hung barriers with foil facing on both sides	50 db

INSTALLATION

Fixed mechanically with angle supports and clamping plates. Refer to installation guide for details on overlaps, joint treatments, and spacing.

HEALTH, SAFETY & ENVIRONMENT

- Made with non-hazardous basalt fibers
- 100% recyclable
- Compliant with UK/EU REACH regulations
- Contributes to sustainable, energy-efficient building design.

CONTACT

Stone Shield a division of ARC Lancaster Ltd

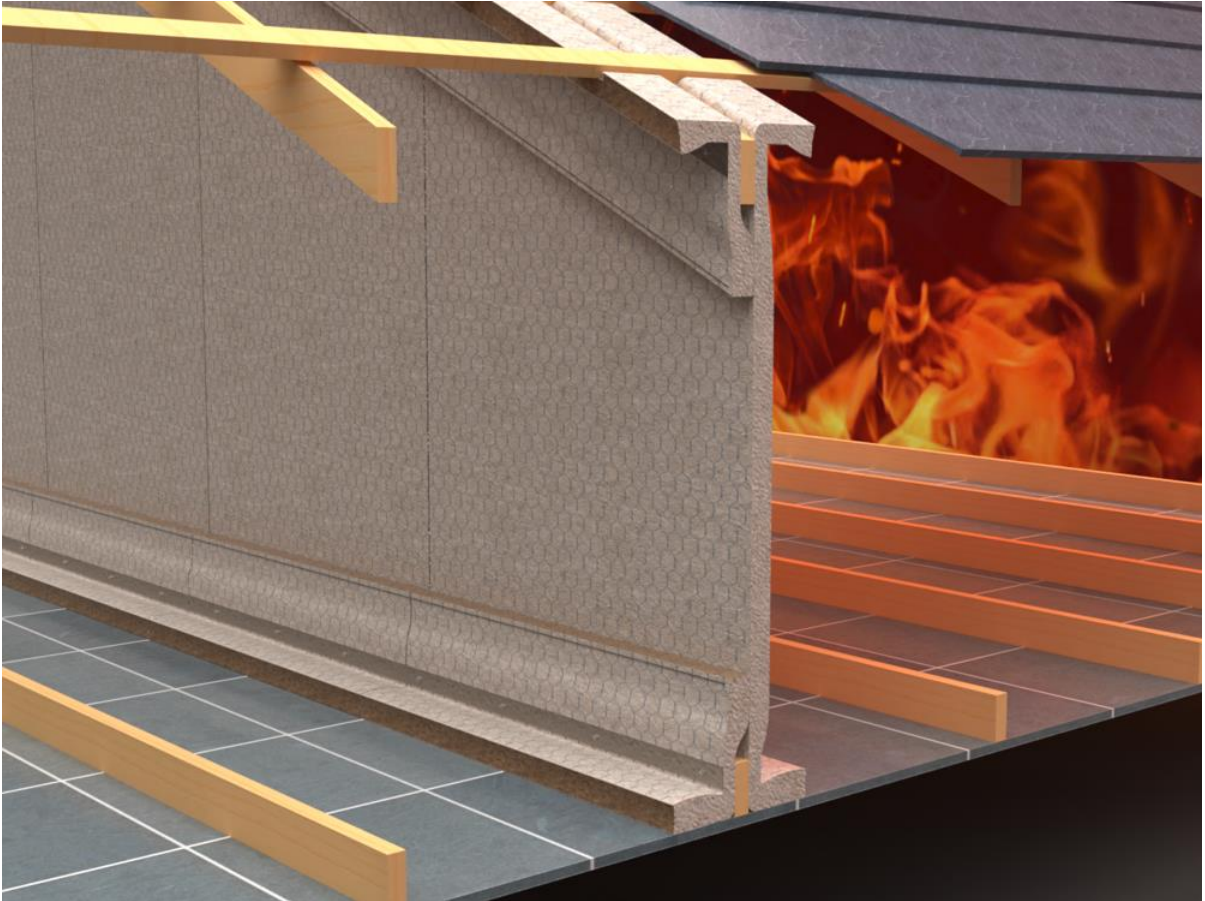
The old timber yard off willow lane lune industrial estate Lancaster LA1 5NA

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Installation Illustration



Stone Shield Fire Barrier EN installed in roof cavity (rendered illustration)
