

A close-up photograph of red bricks and a wooden pallet. The bricks are arranged in a pattern, with some showing circular holes. The wooden pallet is visible in the background, made of light-colored wood. The overall image has a warm, reddish-brown tone.

KENOTEQ® KIBRIQ®

**DRAFT SPECIFICATION &
INSTALLATION GUIDE v January 2025**

K-BRIQ® Facing Brick (Interior and Exterior)



SUSTAINABLE

No firing

1/10th energy used

< 5% carbon footprint

100% recyclable

Tested to BS EN standards

BBA certification (draft available)

EPD Early 2025



TESTED



FIRST TO MARKET

Near 100% recycled content

Bespoke colours

Flexible production location

Construction waste solution

UK Granted (Nov 2018)

US Granted (June 2020)

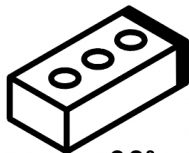
European (Pending)

Canada (Pending)

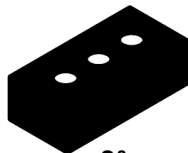
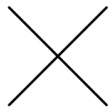


PATENT

RECYCLED
CONSTRUCTION
WASTE



90%+

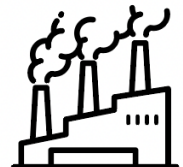
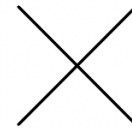


0%

EMBODIED
CARBON



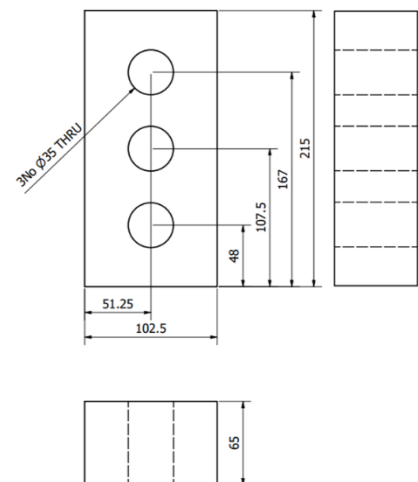
16.8g CO₂e per unit



455g CO₂e per unit

TECHNICAL SPECIFICATION

Type	Pressed brick
Colour	13 standard colours
Configuration	Vertically perforated
Dry Weight	2.2 kg
Dimensions (L x W x H)	215 x 102.5 x 65 mm
Gross Dry Density (kg/m ³)	1,750 ± 5 %
Compressive Strength (N/mm ²)	30
Water Absorption (%)	2%
Durability	F2
Reaction to Fire	Class A2 s1 d0 (Medero Dark Grey) Class B s1 d0 (all other colours)



British Standards: The K-Briq has been produced and tested to BS EN 772, BS EN 1052, BS EN 4892, BS EN 12572, BS EN 12664, BS EN 13823, BS EN 1716, BS EN 13501, BS EN 15725, BS EN 1745

BRICK WALLING

Preparation:

Prior to installation, surfaces should be clean, free from efflorescence, sufficiently damp and rough for proper bonding.

Mortar:

10mm joints are suggested when using an M4 mortar.

Lime Mortar:

10mm joints are suggested when using NHL 3.5 and NHL 5 mortars of lime. Sand ratios of 1:2 ½ and 1:2 have good resistance to freezing and thawing actions. Lime mortar is a more suitable alternative.

Suggested Supplier - (UK):

Cornish Lime

Movement Joints:

Every 6 metres

Wall Ties:

Treat as a conventional brick, to be specified by the relevant project engineers

Sealant:

Paintings or sealants are not required with this product. Should sealants be used, natural sealants are suggested e.g. Fila Colour Intensifier Eco Product

KBRIQ®



CUTTING UNITS

Method:

Based on in-house processes, it is suggested that units intended for cutting be assessed for any existing damage that may affect the stability of the cut surface. This is recommended specifically if units are to be cut into thin sections. It is recommended that the K-Briq be cut using wet cutting methods, due to the dust that may become airborne during cutting.

Equipment:

The K-Briq can be cut using a standard stone and tile cutter.

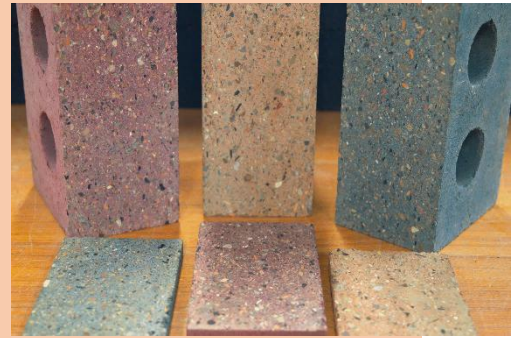
Safety Measures:

All safety measures specified on any cutting equipment used should always be followed when cutting the K-Briq. Safety glasses, gloves and suitable overalls are recommended to be used.

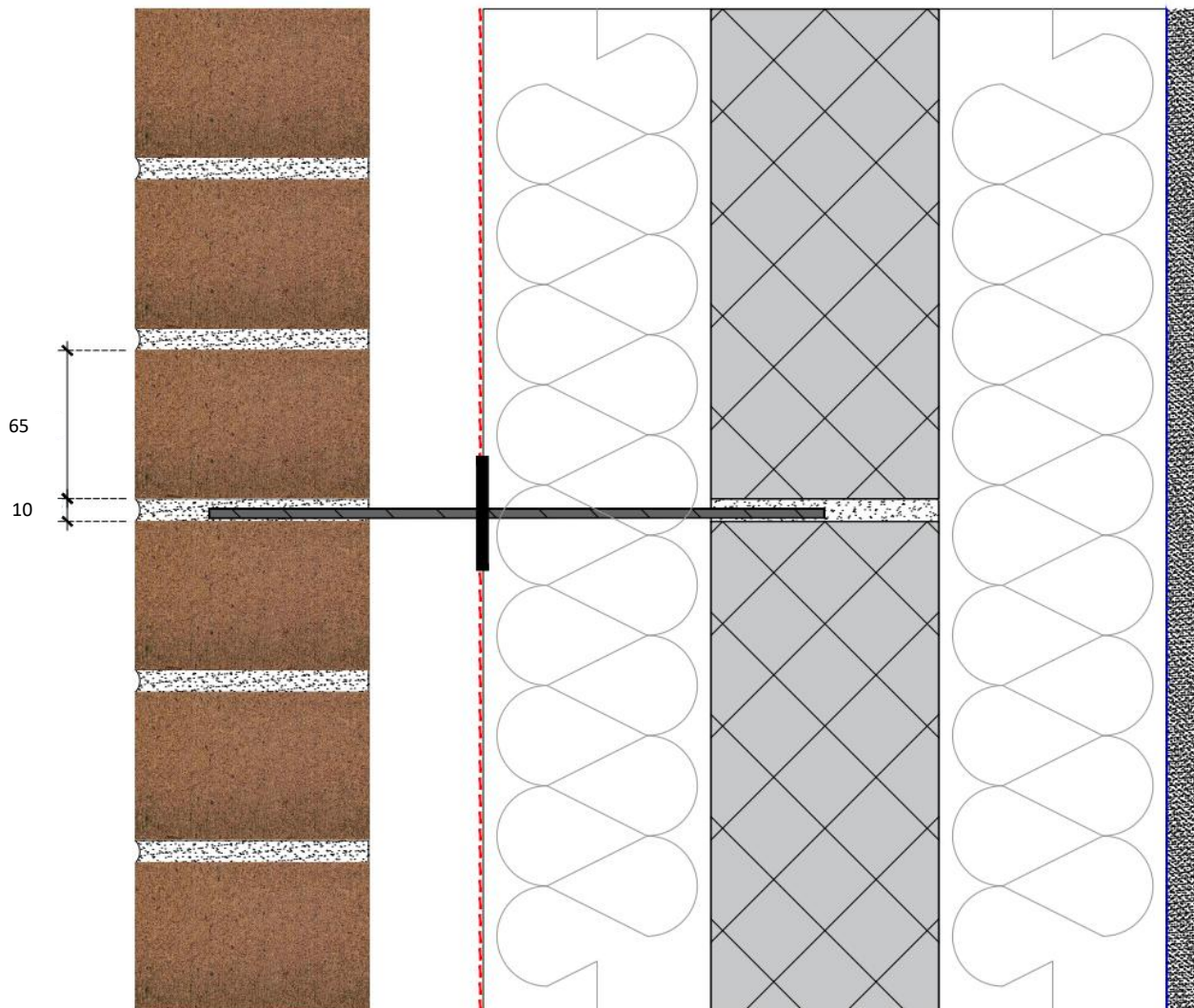
Surface Appearance:

Due to the composition of the K-Briq, the internal face of the units has a different appearance from the outer face. After cutting, the aggregate within the units will become exposed, creating a surface resembling a terrazzo tile.

Cut sections may be used with either the internal or external surface facing outward.



TYPICAL SECTION THROUGH WALL MASONRY INNER LEAF

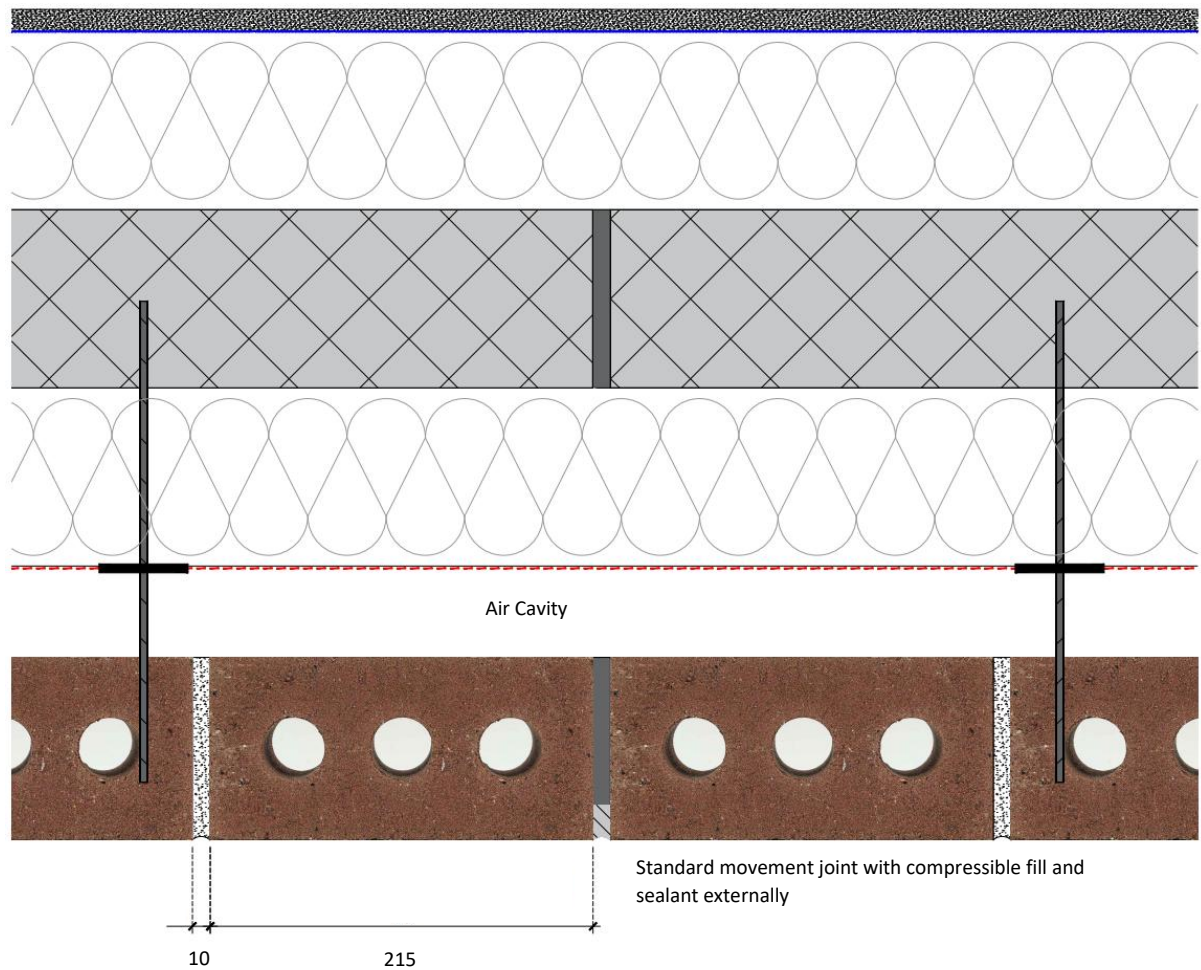


Masonry construction with blockwork inner leaf (size and set out as required by project designer). Showing insulation with cavity and on inside face of blockwork.

Project designer to make use of appropriate wall ties, lintel, perpend vents, fire cavity barriers, air tight barriers, building paper, and structural fixings, insulation and movement joints in accordance with the relevant building standards, British Standards and insurance scheme details.

External cladding K-Briq to be detailed as standard clay brick.

VERTICAL MOVEMENT JOINT- BLOCKWORK

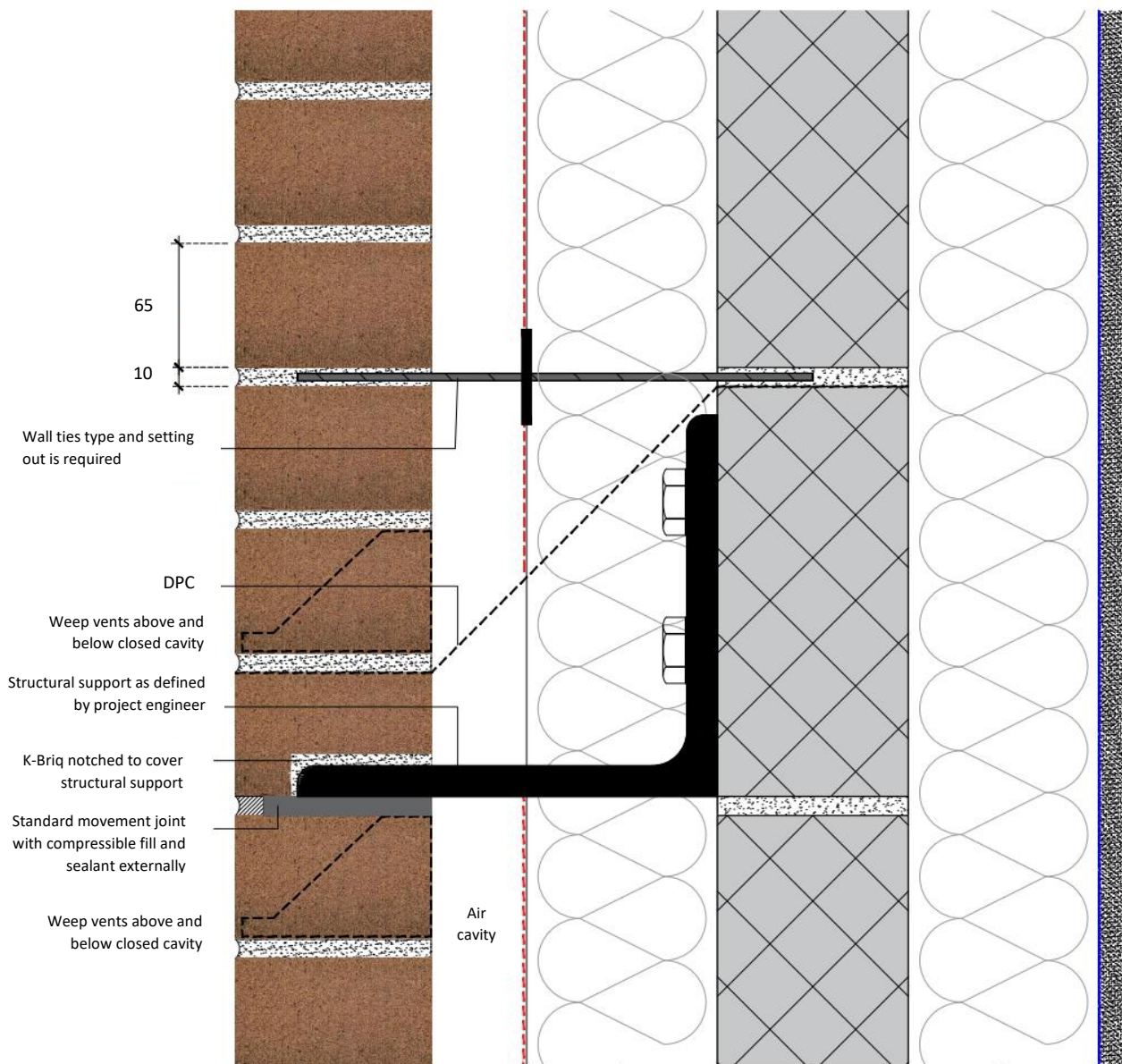


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HORIZONTAL MOVEMENT JOINT- BLOCKWORK

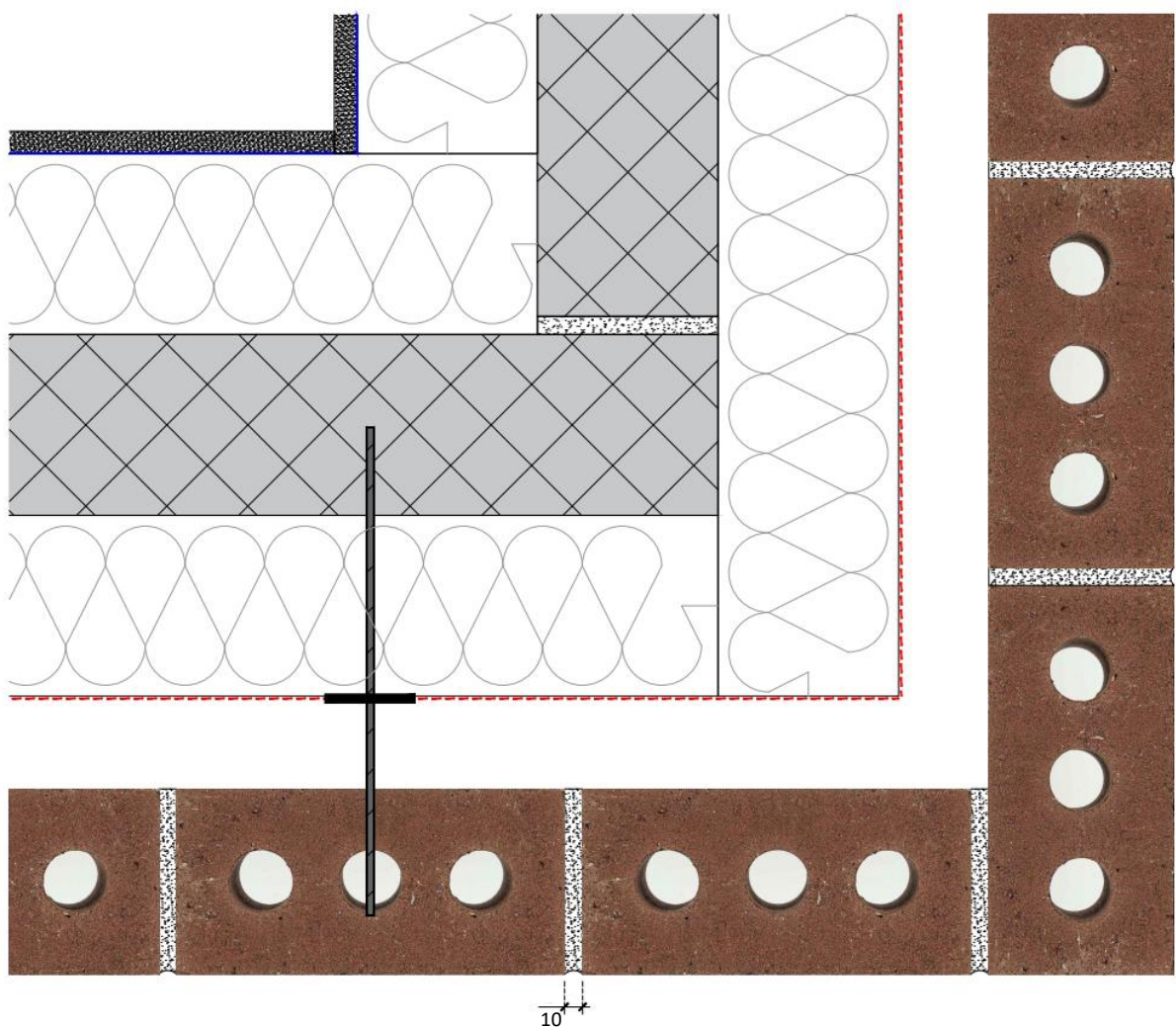


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EXTERNAL CORNER- BLOCKWORK

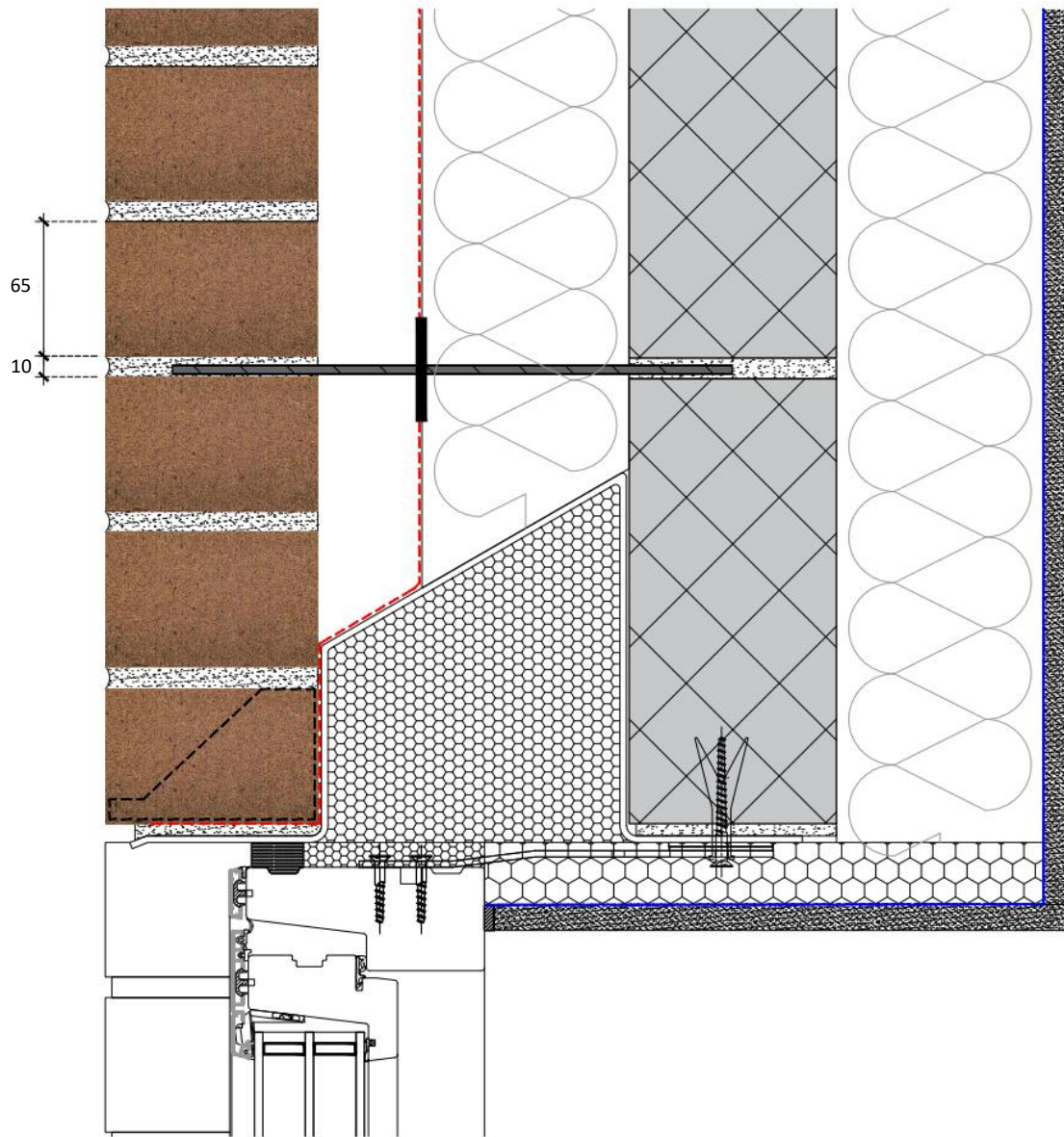


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WINDOW HEAD- BLOCKWORK

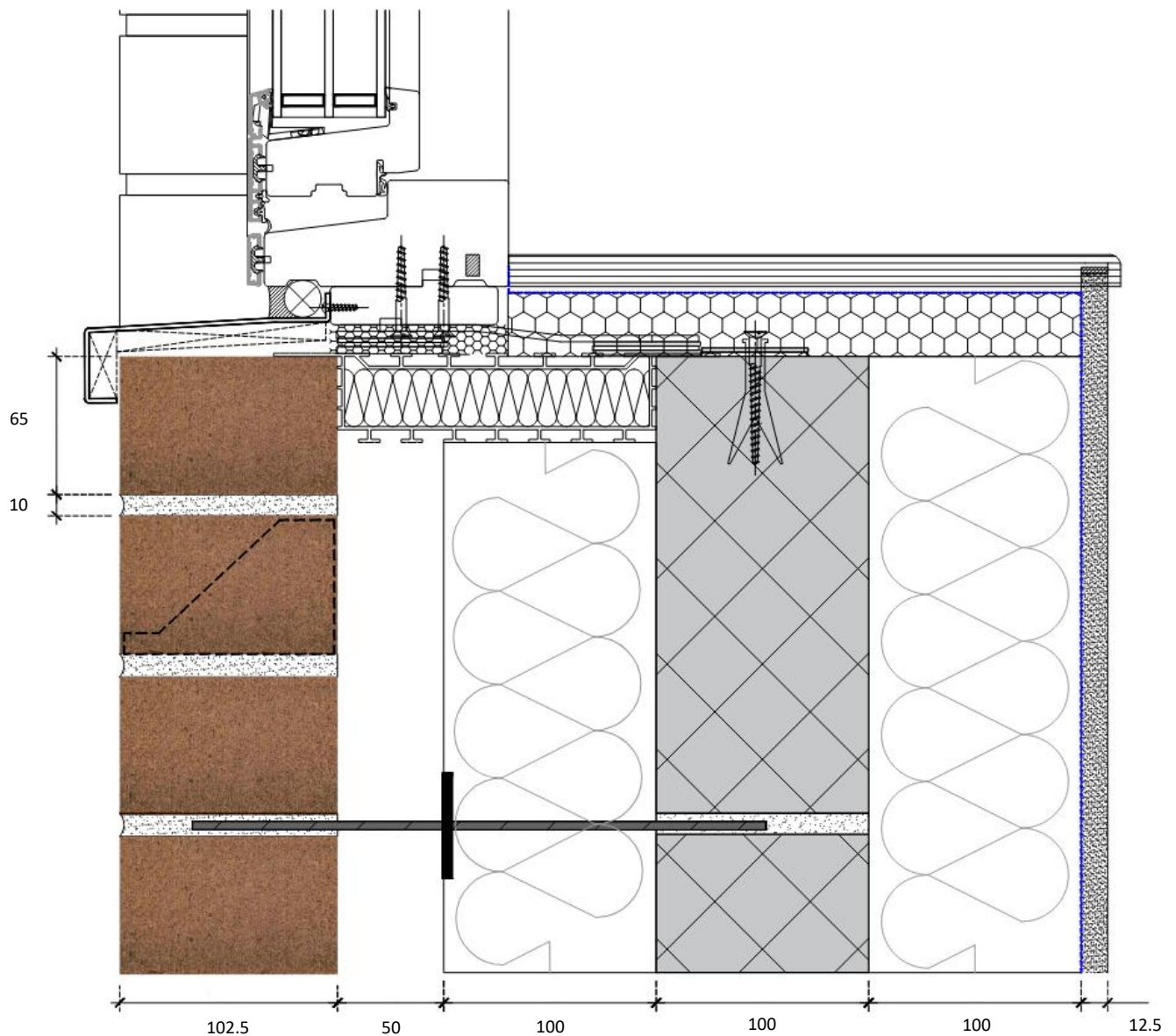


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WINDOW CILL- BLOCKWORK

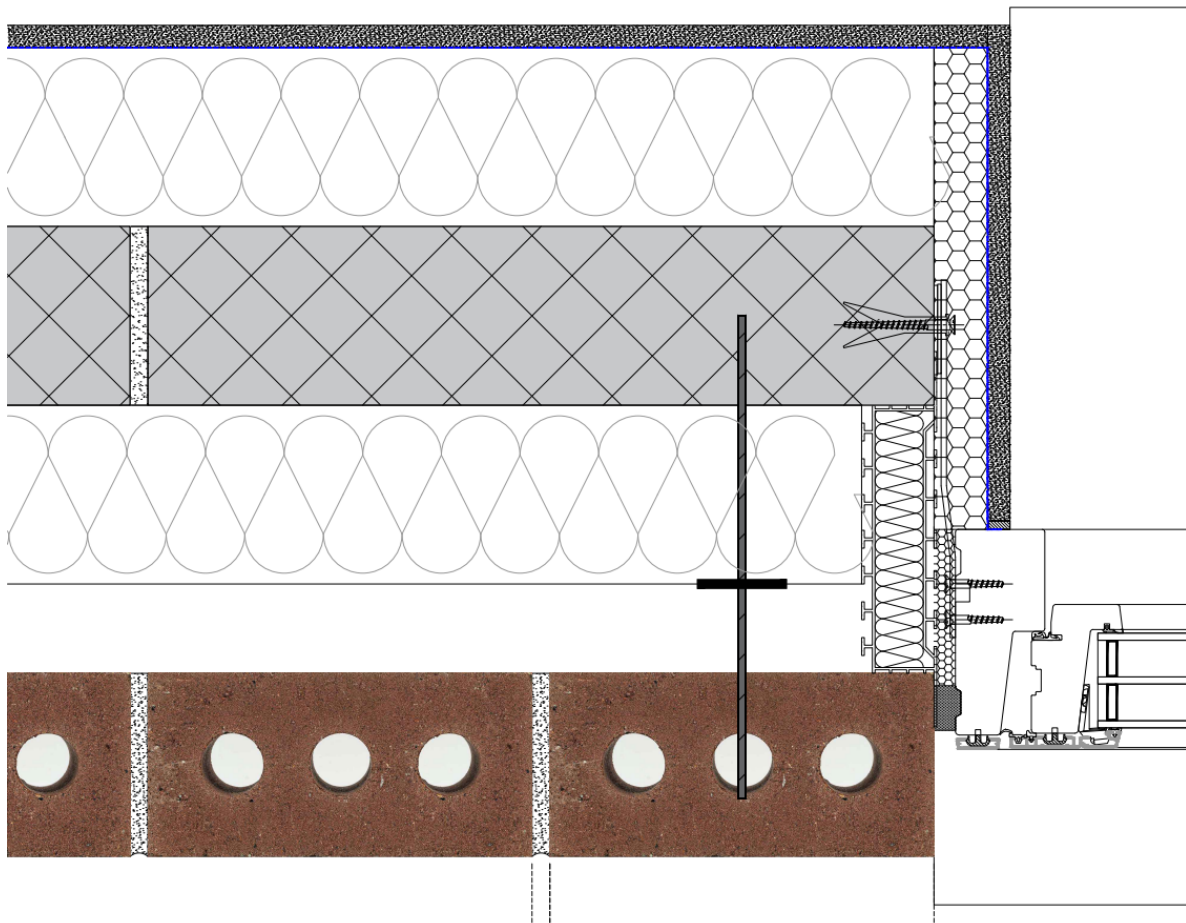


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WINDOW JAMB- BLOCKWORK

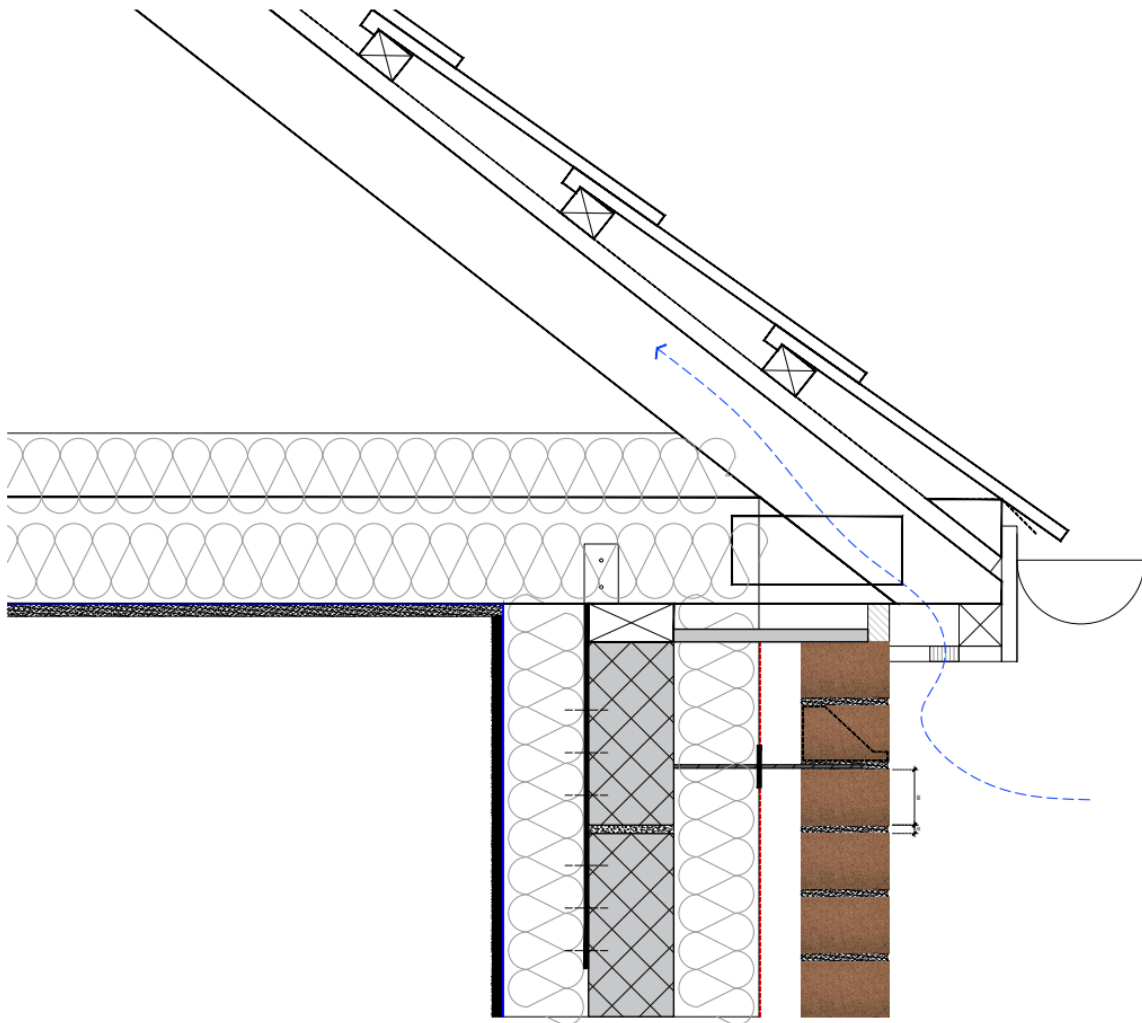


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EAVES- BLOCKWORK

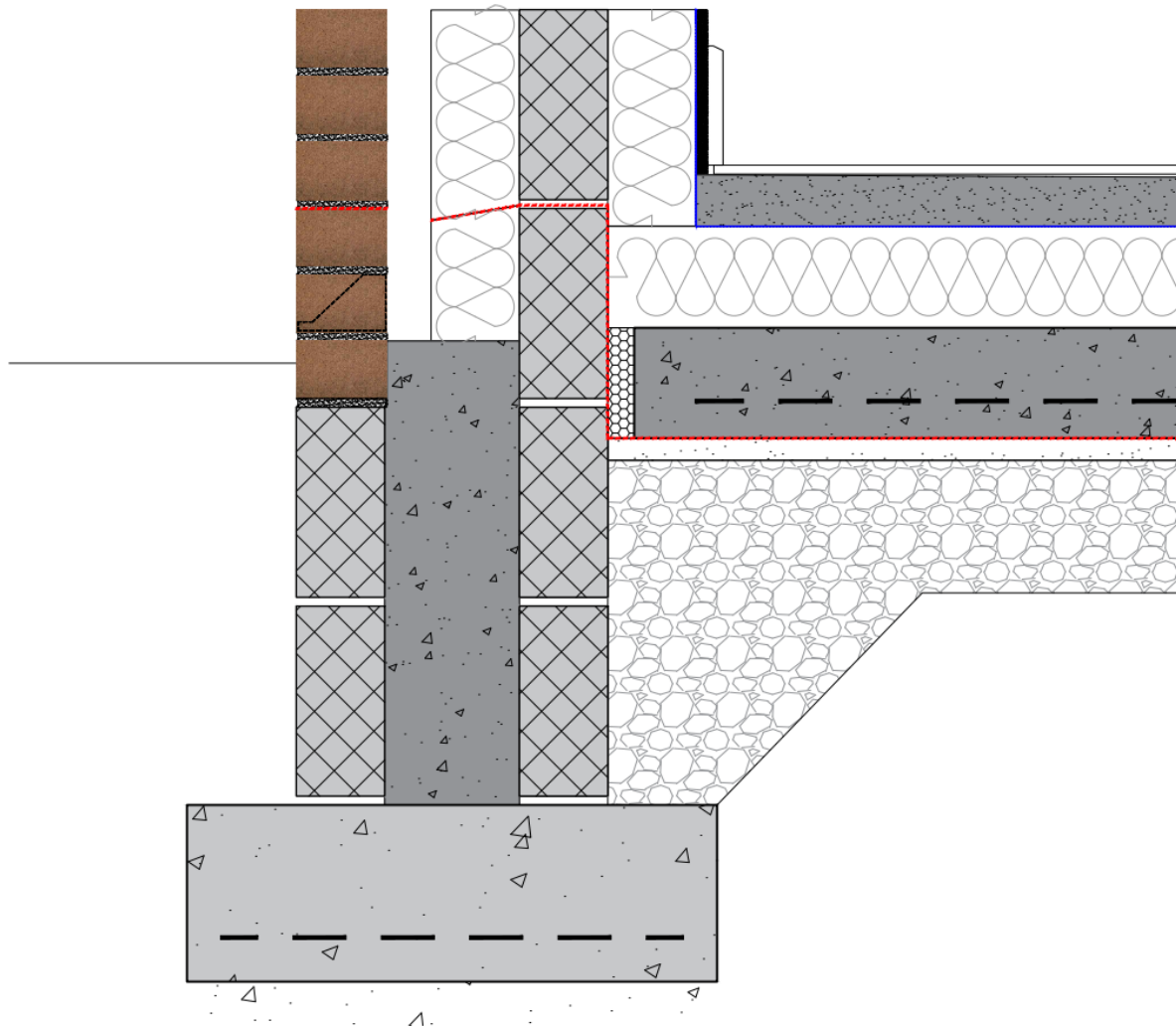


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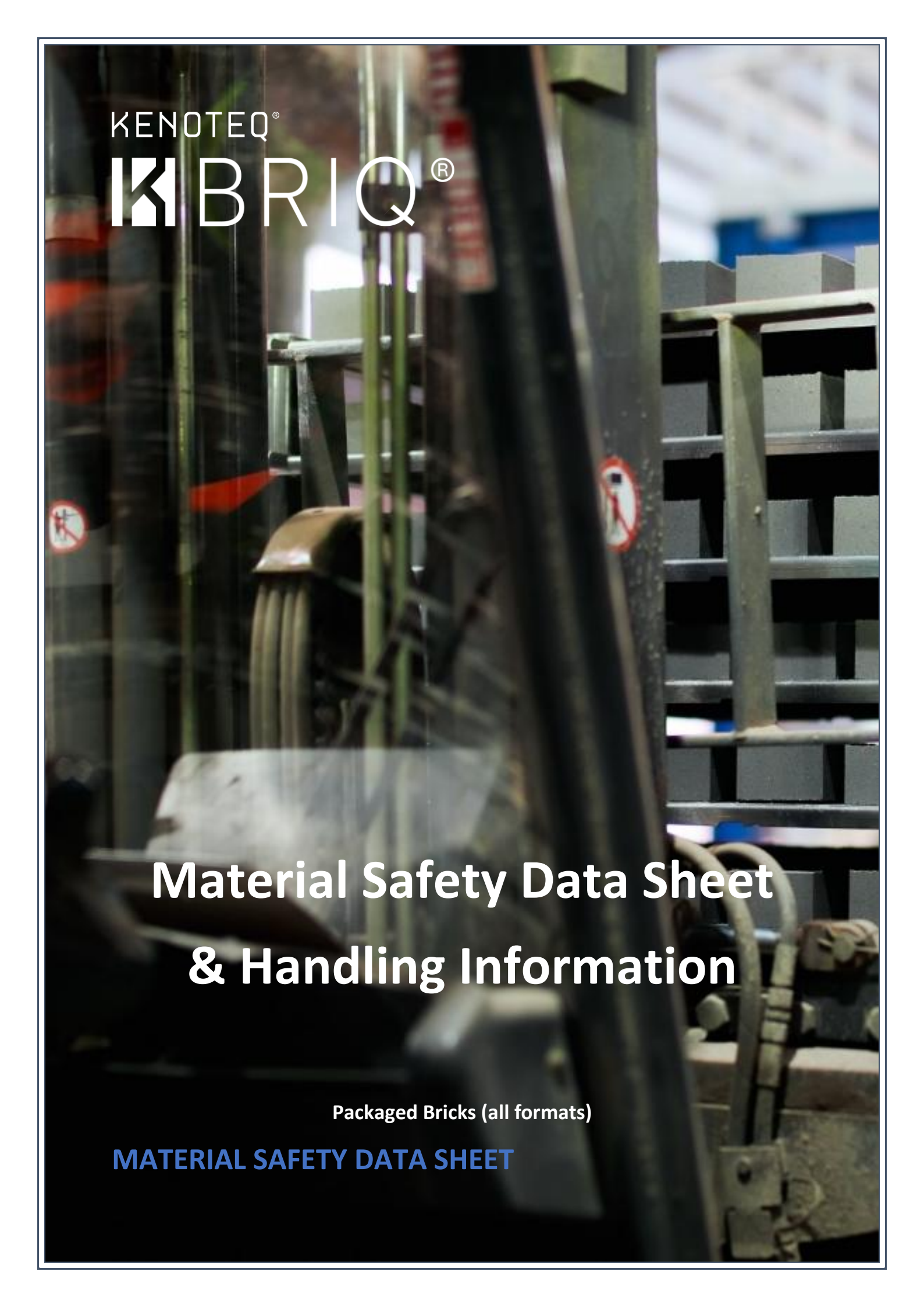
FOUNDATIONS- BLOCKWORK



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External cladding K-Briq to be detailed as standard clay brick.



KENOTEQ®

KBRIQ®

Material Safety Data Sheet & Handling Information

Packaged Bricks (all formats)

MATERIAL SAFETY DATA SHEET

These products are not classified as hazardous, the following information regarding the materials contained within the products may be of assistance to people handling packs, packaging and product.

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name: K-Briq

Product Code: Various

Company Name: Kenoteq
City Point, Harper MacLeod
65 Haymarket Terrace
Edinburgh
EH12 5HD

Website: www.kenoteq.com

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Kenoteq brick products present little or no inherent human health hazard. Any risks posed to personnel may arise when products are reworked, creating the potential for general airborne dust that may be inhaled.

3. HAZARDS IDENTIFICATION

When handling product, a general risk assessment should be undertaken to identify control measures that should be adopted. The use of protective clothing such as safety hats, safety boots and appropriate gloves is highly recommended whenever possible in order to minimise the risks associated with falling objects and sharp edges.

Eye protection should also be considered when handling the products due to the risk of fragments flying when impacted with tools such as; trowel, bolster, masonry block splitter equipment and so on.

Appropriate care should be taken when handling individual and packs of briqs due to high weights. When handling packs of briqs the equipment used should be adequate for the weight involved with moving. All packs of briqs vary in weight dependent on the quantity specified per pack, however the maximum weight of a standard back of K-Briq's is approximately 1100kg.

Crushed Gypsum/ Anhydrite

Risk Phrases: R20, R22, R36, R37, R66

Safety Phrases: S2, S18, S26, S28, S29, S38, S51, S62, S63

This component is NOT classed as dangerous according to CHIP and is NOT released under normal usage conditions.

E-Binder (1-ortho-tolylbiguanide)

This component is classed as inert material and is NOT released under normal usage conditions.

Hazard Pictograms:



Signal Word: Warning

Hazard Statement(s): H317- May cause an allergic skin reaction.

Precautionary Statement(s): P261- Avoid breathing dust.

P272- Contaminated work clothing should not be allowed out of the workplace.

P280- Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302 + 352- If on skin wash with plenty of water.

P333 + 313- If skin irritation occurs seek medical advice/ attention.

P363- Wash contaminated clothing before reuse.

4. FIRST AID MEASURES

Skin contact: Suitable hand protection should be used in order to avoid cracking and drying of skin. Due to the possibility of sharp edges, minor cuts and grazes may occur. These should be cleaned thoroughly with soap and clean water and if required, treated with an antiseptic.

Eye contact: Rinse eyes with eyewash until all particles are washed out. Do not rub the eye as it may cause further damage. Medical advice should be sought out if the problem persists.

Ingestion: In the case of ingestion, rinse the mouth thoroughly with clean water.

Inhalation: If any brick dust is inhaled, any persons affected should be moved to fresh air and given clean water to ease the irritation. Medical advice should be sought out if the problem persists.

5. FIRE FIGHTING MEASURES

This product is not flammable.

Packaging used with the product may be flammable, an appropriate fire extinguisher should be used.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Refer to section 7 of material safety data sheet.

Clean-up procedures: Clean up dust by vacuum fitted with high efficiency filter or use wet clean up method to avoid the circulation of airborne dust.

7. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace exposure limits: As of October 2006 under COSHH regulations, total inhalable dust is 10mg/m³ and respirable dust is 4mg/m³. Personal monitoring should be carried out if individual exposure is to be reliably determined.

Engineering Measures: Where there may be a significant production of dust, use wet cut method or local exhaust ventilation system.

Skin Protection: Exposure to dust may cause skin irritation. Suitable overalls as necessary.

Hand Protection: Appropriate gloves and/or barrier cream should be used to avoid damage.

Eye Protection: Appropriate safety glasses/ eye protection should be worn when cutting product.

Respiratory Protection: When cutting individual units use an appropriate face mask should be used with further face masks being used when dry cutting products.

Ear Protection: Appropriate ear protection should be worn when using mechanical tools. Ear protection should be worn by everyone within the vicinity.

8. CHEMICAL AND PHYSICAL PROPERTIES

Physical state:	Solid
Colour:	Various
Odour:	None
Solubility in water:	Insoluble
Flash point:	Non-Flammable

9. STABILITY AND REACTIVITY

All components stable under normal conditions and non-reactive.

10. TOXICOLOGICAL INFORMATION

Inhalation:	If dust from product is inhaled, exposure may cause irritation of respiratory tract.
Eye Contact:	Contact with eyes is unlikely to cause significant effects, however dust may cause some degree of irritation to the eyes.
Skin Contact:	Contact with skin is unlikely to cause significant effects, however repeated handling of edges and rough surfaces may cause irritation.
Ingestion:	Ingestion is unlikely to cause significant effects. Presence of dust may cause mild irritation of the throat.

11. ECOLOGICAL INFORMATION

All components classed as environmentally non-hazardous.

12. CONSIDERATIONS FOR DISPOSAL

Materials should be disposed of as per local authority requirements.

Any packaging material should be placed in appropriate waste disposal areas. Any removal of packaging from site should be organised with appropriate disposal parties.

13. TRANSPORT INFORMATION

Appropriate offloading equipment is required upon delivery.

14. OFF-LOADING INFORMATION

On delivery, packs of K-Briqs may be stacked in void packs and held together as a cubed unit by plastic straps and plastic-wrap. These straps should NOT be used for lifting individual packs. An appropriate handling fork should be used for transport, always driven by a competent driver.

When delivered as void packs it is recommended that the pack should be lifted via the void holes by appropriate machinery. Void holes should be used in order to correctly distribute the weight under the void area, the layer that is supported by the plastic straps.

If grabs are to be used for lifting of solid packs, they should only be lifted on the NON strap side to avoid damaging the straps and so that the grab is supporting the full weight of the pack. If the pack is lifted from the top then the weight of the pack would be fully on the straps, this should NOT be done.

When handling delivered packs all individuals should be made aware of any hazards, particularly the potential risk of plastic straps failing and causing individual units to fall. To avoid this hazard the packs should not be exposed to; pressing/sliding one pack against another, abnormal shocks and straps should be checked for damage before unloading.

Unloaded packs should be placed, as much as possible, on level and dry ground. Packs should NOT be placed on uneven surfaces or in puddles/ wet ground. Packs should be stacked individually without touching sides with another pack.

15. REGULATORY INFORMATION

Not applicable.

16. OTHER INFORMATION

On Site Handling

If it is required that the packs be lifted higher than 1 metre above ground level, an appropriate safety cage should be used. If packs are being stored at higher levels then guard rails and brick nets should be used in order to protect lower working areas and personnel from falling units.

Processing

When removing straps from delivered packs, wire cutters should be used. Plastic straps should NEVER be removed using levered pressure. Care should be taken when removing straps as high tensioned straps may spring away when tension is released and so all personnel involved should wear appropriate protective eyewear.

Appropriate gloves should also be worn when removing straps as sharp edges may cause damage. Appropriate protective footwear, headwear and overalls should also be worn when removing straps from packs, as individual units may fall when the straps are released.

Manual Handling

Each individual K-Briq weighs approximately 2.2kg, so presents low risk of injury from manual handling.

Repetitive handling of any product, including brick, can cause individuals to suffer from Upper Limb Disorder such as strains and sprains in the muscle. Specialist help should be sought for any individuals involved in this type of work.

This sheet does not constitute an assessment of workplace risk.

**IT IS THE CUSTOMERS RESPONSIBILITY TO OBTAIN TECHNICAL DATA ON ALL MATERIALS
TO BE USED IN CONJUNCTION WITH THESE PRODUCTS.**

**ALL INCLUDED INFORMATION WAS ACCURATE TO THE BEST OF OUR KNOWLEDGE AT THE
TIME OF WRITING.**

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Kenoteq Ltd

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Company Registration No: SC625638

Kenoteq – building a more sustainable world K-BRIQ® by K-BRIQ®