EUROBICK SYSTEMS LTD BRICK SLIP CLADDING: INFORMATION FOR O&M MANUAL

Project: **Grand Vic Hotel & Pub**

Supplied to: **Fairland Contractors Ltd**

Installed by: **Fairland Contractors Ltd**
All materials delivered to site and installed there June-September 2023

Materials Details

Adhesive:	Eurobrick Europoint Cement Based Adhesive
Brick slips:	Britannia Range Smooth Red 400 -215x65x14mm
Brick corners:	None Supplied
Additional brick:	Britannia Range Smooth Red 400 Header slips -102x65x14mm
Pointing mortar:	Europoint Light Grey colour from Eurobrick Systems Ltd.

Repairs & Modification

1. All repairs and modifications must be carried out in accordance with Eurobrick installation guide and specification using only materials detailed above or approved by Eurobrick Systems.
2. Eurobrick Systems cladding is not structural. Loads imposed on the cladding by externally fixed items such as brackets, signage, lighting etc must be transferred through the cladding system to the substrate behind the backer panel. Load restrictions relating to the substrate to be advised by others.
3. Any faults or failures of the cladding system must be repaired and made good when discovered by a competent person in accordance with Eurobrick specification.

Product Data Sheet

Feldhaus Klinker
WIR GEHÖREN ZUM GUTEN TON.

Ceramic plates (coarse-ceramic brick slips) asu

Designation/Characteristics	Declaration/Measured Values	Requirements	Standard
Intended purpose	For wall coverings indoor and outdoor		EN 14411
Manufacturer's designation			
Item number	R400WDF14		
Name	classic carmesi liso		
Product line	classic		
Colour group	red		
Size L x W x H / mm	215 x 14 x 65		
Water absorption			EN ISO 10545-3
Water absorption category	≤ 3 %		
Water absorption [mass-%]	fulfilled	≤ 6	
Porosity			DIN 66133
Maximum pore radii µm	fulfilled	> 0,2	
Pore volume mm³/g	fulfilled	≥ 20	
Durability/ Frost resistance	fulfilled	100 freeze-thaw-cycles without variation	EN ISO 10545-12
Reaction to fire, class	A1		
Dimensions			DIN EN 772-16/EN 771-1
Work size			
Length / mm	215		
Width / mm	14		
Heigth / mm	65		
Deviation from mean value			
Length / mm	fulfilled	± 4	
Width / mm	fulfilled	± 1,5	
Heigth / mm	fulfilled	± 3	
Dimensional range			
Length / mm	fulfilled	5	
Width / mm	fulfilled	2	
Heigth / mm	fulfilled	3	
Raw density class			DIN EN 772-13-3/EN 771-1
Gross dry density kg/m³	2200		
Net dry density kg/m³	2300		

Bad Laer, 2018-08-17

Klinkerwerk B. Feldhaus GmbH & Co.
Nordring 1
49196 Bad Laer
Germany



EUROPOINT
POINTING MORTAR

Europoint is our easy to use dry-pack mortar suitable for all pointing applications.


Light Grey


Standard Grey


Dark Brown


Charcoal


Light Sandstone


Sandstone


Brick Red


White

The colours shown above are indicative. Please note colour variations can be expected due to the porosity of the brick, finishing techniques, mixing procedures and weather conditions (temperature, humidity and wind) at time of application.







- Europoint is pre-prepared mortar; just add water and mix.
- Specially formulated by Eurobrick, for application by gun or grout bag injection.
- Suitable for pointing brick and stone slip cladding and repointing traditional brickwork.
- Supplied in 25kg bags.
- Pointing bags, tips and guns available.
- Lime mortar is a natural lime based product suitable for historic renovation projects.
- Available in the 8 standard colours shown above.
- Other colours can be made subject to minimum order.

EUROBRICK
CLADDING SYSTEMS

Europoint is exclusively manufactured for Eurobrick Systems Ltd by PICS Ltd.

For technical queries or further advice on ordering please call
+44 (0)117 971 7117

For more information please visit our website at
www.eurobrick.co.uk



Instructions and tips for using Europoint pointing mortar

1. The ratio of water to dry mortar mix is 4.25 – 4.5 litres per 25Kg bag. In practice we normally pour clean water into a standard bucket to about 2.5 – 3 inches deep. The bucket should be free of loose material. Add the dry mortar (approx half a bag) and mix with a paddle or whisk.
2. Make sure the mix is thorough and that the mortar is consistent and creamy. Adjust the content by adding small amounts of water or more powder as required.
3. The mixture should form peaks but should not be so stiff that you cannot turn it easily with a trowel or scoop.
4. The pointing bag and tip can be prepared for use by trimming approx 1cm off the "pointed" end, pushing the metal tip into place and then taping the tip and the end of the bag together. This is not essential but reduces the likelihood of the tip being pushed back into the bag in use. If the joints you need to point are at all narrow, it is also useful to squeeze the metal tip with pliers or a vice so that the hole is more oval than round. This gives you the option of turning the bag and tip to adjust the size of the bead of mortar being applied. Fold the top of the bag down 4 or 5 inches.
5. Scoop some mortar into the bag up to about half full. At this point you can assess the mixture. It should be just dropping out of the bottom of the bag in blobs. If it is pouring out it is too wet and if it isn't coming out at all it may be too dry. If youneed to adjust the mix, return what is in the bag to the bucket.
6. Small amounts of extra powder or water can make quite a difference so make adjustments incrementally.
7. Once the correct consistency is achieved at, scoop the mortar into the bag. The full part of the bag should be 10-12 inches. Twist the end of the bag tight to provide consistent pressure to the contents.
8. Hold the bag lightly in your left hand and twist the end with your right hand (assuming you are right handed). The pressure from the twist will eject mortar into the joint to be filled. Try to maintain consistent pressure and avoid squeezing the middle of the bag if possible.
9. Move the tip along the joint at a steady speed according to the flow of mortar. Joints should be filled to just overflowing. Carefully watch what you are doing and if gaps appear fill them in as you go.

You can view our Europoint mortar application video on our website.

10. You can fill either perps or beds first. There are benefits to both ways but see what works for you.
11. Try to avoid letting the tip drag along the brick as if it catches a crease or similar the bag and the bead of mortar are liable to be diverted onto the face of the brick.
12. Once you have emptied the bag, refill and continue.
13. The time it takes for the mortar to go off varies with the brick type, joint depth and prevailing conditions. Keep checking the mortar which was applied first. Once you can put a finger imprint in the drying mortar without any residue sticking to your finger, it is about ready to strike off with a pointing iron or piece of hose etc.
14. Tool the joints beds first, perps second. This helps to avoid smudging the mortar on to the brick face. The use of the tool packs the mortar into the joint and the excess should fall away. If the surface of the struck joint looks dragged or tears up, the mortar is still too wet and should be left longer.
15. When the joints have been tooled, check to make sure that all the beds and perps are done then leave it to dry a while longer until any snots at the edge of the brick faces can be brushed off with a soft brush without marking the joints or smearing any excess on to the bricks.
16. Any spots of mortar on the faces of the bricks are best left until they are fairly dry before being removed with the edge of a trowel or the brush.
17. Any unsightly marks or stains should be removed after the mortar is cured using a stiff brush and clean water. If necessary a detergent can be added to the water to assist. Brick acid can be used as a last resort but this needs to be hosed off the wall as fast as it is put on or further smearing and staining tends to be the result.
18. This is a sand and cement based mortar so it should only be applied in conditions of 4˚C and rising. Finished work should be protected from frost and rain.
19. In excessively warm or windy conditions the mortar may cure very quickly. Only apply mortar to small areas to allow time to tool the joints before the mortar hardens. To help slow the curing process down, the brick slips can be wetted with a spray mister.
20. Finally, clean all tools and buckets used. The pointing bag can be washed out and stood up to dry before being reused.

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EUROBRICK
CLADDING SYSTEMS

Eurobrick Cement Based Brick Slip Adhesive

Product Description

Pre-mixed dry powder Portland cement and sand mix with polymer additives to be mixed with water to form adhesive paste for attaching clay brick slips to suitable dry flat surfaces.

Packaging

Outer bag with batch number detail, inner plastic bag with wire tie. 25Kg bag.

Mixing Instructions

Amount of water required may be varied to suit users' preference and mixing method. For mixing in bucket with powered whisk start with approx. 3L of clean water per 25Kg bag. Pour water into clean bucket and gradually add powder mixing thoroughly to ensure material is properly wetted out and consistently blended to a smooth paste.

Allow to stand for 2-5 minutes before re-mixing before use.

More water may be added if hand mixing or if a looser paste is required and this will not adversely affect the performance of the adhesive.

Mixed material should be useable in bucket for approximately 1 hour.

Application

Adhesive paste can be applied to surface to be covered using notched / comb edge trowel (6-10mm gauge comb). Once applied adhesive should be allowed time to "tack up". Brick slips are then seated in adhesive with firm pressure to ensure adequate bond and consistent alignment of slips.

Thickness of applied adhesive can be varied to take up minor surface imperfections.

Only apply adhesive to area which can be covered with slips in working time of adhesive which will vary with ambient conditions. Ensure excess adhesive is removed from substrate where not being covered immediately with brick slips.

Cleaning and Disposal

Tools and mixing bucket should be cleaned thoroughly in water to remove all traces of adhesive and dried.

Excess wetted adhesive should be collected in suitable container and allowed to harden before being disposed of as rubble building waste. Remaining unmixed adhesive can be left open to allow cement content to cure off prior to disposal or wetted through and allowed to harden before being disposed of.

Eurobrick Systems Limited, Unit 5, Newbridge Trading Estate, Newbridge Close, Bristol BS4 4AX
T +44 (0) 117 971 7117 F +44 (0) 117 933 2909 info@eurobrick.co.uk www.eurobrick.co.uk
Company Registration No: 2505491

Eurobrick Pointing Mortar

Material Safety Data Sheet.

1. Identification of the substance / preparation and of the company.

1.1 Identification of the substance / preparation.

POINTING MORTAR

1.2 Intended use.

Filling mortar joints between brick slips and repointing conventional brickwork.

1.3 Company details

Eurobrick Systems Ltd
Unit 7 Wilverley Trading Estate
Bath Road
Brislington
Bristol
BS4 5NL
Tel: 0117 9717117
Fax: 0117 9717217
Email: info@eurobrick.co.uk

2. Composition / Information on ingredients.

2.1 Main components

Product	**CAS Number**
Silica Sand	14808-60-7
Portland Cement	659971-15-1
Inorganic Pigments	Various

3. Hazards identification.

3.1 When cement is mixed with water, a strong alkaline solution is produced. If this comes into contact with the eyes or skin it may cause serious burns.

3.2 Cement mixes may, until set, cause irritant dermatitis.

3.3 The grain size distribution of silica means that it is not hazardous. However, any respirable crystalline silica dust generated by processing and handling silica sand may cause health effects.

4. First-aid measures.

4.1 **Eye contact**
Wash eyes immediately with clean water for at least 15 minutes and seek medical advice.

4.2 **Skin Contact**
Wash the affected area thoroughly with soap and water before continuing. If irritation, pain or other skin trouble occurs, seek medical advice.

4.3 **Ingestion**
Wash out mouth with water and give patient plenty of water to drink.

4.4 **Inhalation**
Remove from dusty atmosphere.

5. Fire fighting measures.

Does not burn. No hazardous releases in case of fire.

6. Accidental release measures.

6.1 **Personal precautions**
Avoid airborne dust generation. Wear relevant PPE.

6.2 **Cleaning up**
Recover in a dry state if possible. Minimise generation of airborne dust. The product can be slurried with water but will subsequently then set as a hard material.

7. Handling and storage.

7.1 **Handling**
Generally supplied in 25kg bags. Due regard should be paid to the risks outlined in the Manual Handling Operations Regulations. If handling large quantities on a continuous basis, exhaust ventilation may be required. For handling smaller quantities or intermittent use, a dust mask is sufficient.

7.2 **Storage**
Must be stored in unopened bags, clear of the ground in cool dry conditions.

8. Exposure controls / personal protection.

8.1 **Exposure limit values**

OEL 8hr Time	Weighted Averages
Cement	10mg/m3 total dust
Crystaline Silica	0.3mg/m3 total dust
Pigment	10mg/m3 total dust (average)

8.2 **Respiratory protection**
Where exposure levels exceed the OEL, dust masks must be worn.

8.3 **Eye protection**
Dust proof goggles should be worn wherever there is a risk of cement powder entering the eye.

9. Physical and chemical properties.

Appearance	Coloured powder
Odour	None
PH	<14
Viscosity	N/A
Freezing point	N/A
Boiling point	N/A
Melting point	N/A
Flash point	N/A
Explosive properties	N/A
Density	<3.2
Solubility in water	N/A

10. Stability and reactivity.
Chemically stable, no particular incompatibility.

11. Toxicological information.

11.1 **Short term effects**
Eye contact. Cement is a severe eye irritant. Mild exposure can lead to soreness. Gross exposure can lead to chemical burning.
Skin contact. Cement can cause chemical burns and / or irritant contact dermatitis.
Ingestion. Swallowing of small amounts is unlikely to cause any significant reaction.
Inhalation. Cement powder may cause inflammation of mucous membranes.

11.2 **Chronic effects**
High repeated exposures in excess of the OEL have been linked with rhinitis and coughing and / or silicosis.

12. Ecological information.

No specific adverse effects known, however, discharging into water courses will raise the pH and exclude some natural light which may have an adverse effect on some aquatic life.

13. Disposal considerations.

Dispose of used packaging and excess material to a place authorised to accept builders waste.

14. Transport information.

No special requirements for transportation by road, rail, sea or air.

15. Regulatory information.

Classification – Irritant

15.1 **Risk phrases**
 Risk of serious damage to eyes
 Contact with wet cement may cause irritation, dermatitis or burns
 Contact between cement and body fluids (e.g. sweat and eye fluid) may cause irritation, dermatitis or burns.

16. Other information

16.1 If the material is redistributed for sale, details of its hazards and recommended methods for safe handling should be available to all sites and / or customers.

16.2 The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.

Cl/SfB (4-) X

EUROBRICK
CLADDING SYSTEMS

PRODUCT GUIDE – 8TH EDITION

THE MODERN FACE OF CONSTRUCTION



THE BRITANNIA RANGE

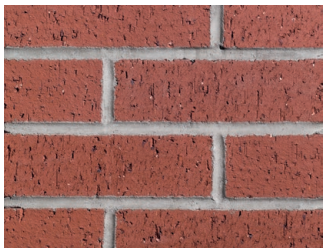
A collection of kiln fired, extruded, natural clay brick colours manufactured in standard UK sizes. Corner bricks available.


Smooth Red Multi 303


Red Multi Dragwire 313


Red Multi 335


Smooth Red 400


Red Dragwire 401


Rustic Golden Multi 684


Rustic Red Charcoal Multi 685


Rustic Inferno Multi 686


Rustic Orange Multi 687


Rustic Buff Multi 688


Rustic Red Multi 689


Rustic Cottage Multi 690


Rustic Cream 692


Rustic Black 693

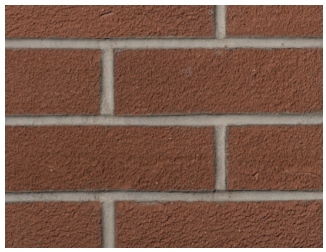

Rustic Charcoal 697


Weathered Grey Multi 764


Old Millhouse 7420 OM


Colorado 7424


Autumn Leaves 7429 HL

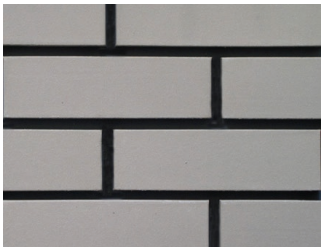

Montana Red 7420

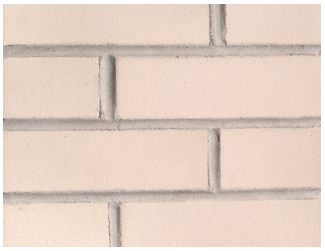

Weathered Old Millhouse 7480 OM


London Multi Buff F297

THE BRITANNIA RANGE PREMIUM SELECTION


Smooth Anthracite 700


Smooth Grey 800


R100 EBS Smooth White

THE CLASSIC RANGE

A range including both manufactured and specially cut brick slips offering traditional finishes. Corner bricks available.


Newbridge Mix


Islington Yellow Rustica


St Ives Cream Rustica


Pastorale


Topaz


Old English


EBS Sanded Red Stock


Whitby Red


Ketley Staffordshire Blue


London Original Stock


Old Beaufort

IMPORTANT: All of our brick slips are manufactured from natural clay and variations in colour between and within batches of bricks can occur. This is not a fault of production. Please request a sample before purchasing.

STONE RANGE

Eurobrick's stone finish range includes reconstructed stone and cut stone slips.

These can be used on whole projects or to provide architectural detail such as quoins or feature bands. All stone products are manufactured/cut to order. Corner stone slips are also available on most products.

Please allow a minimum lead time of eight weeks when placing an order from our stone range. For our full range, please see the Stone Finish brochure.


Square Dressed Pennine


Rough Dressed Cotswold


Rough Dressed Southwold


Traditional Buff Cotswold

STRAIGHT SLIPS, CORNERS AND ANGLES

All brick types from the Classic and Britannia ranges are available as straight slips and 90⁰ pistol corners as illustrated.

Britannia range straight slips are typically 215x65x15mm and Classic range are typically 215x65x(20-25mm) depending on brick type.

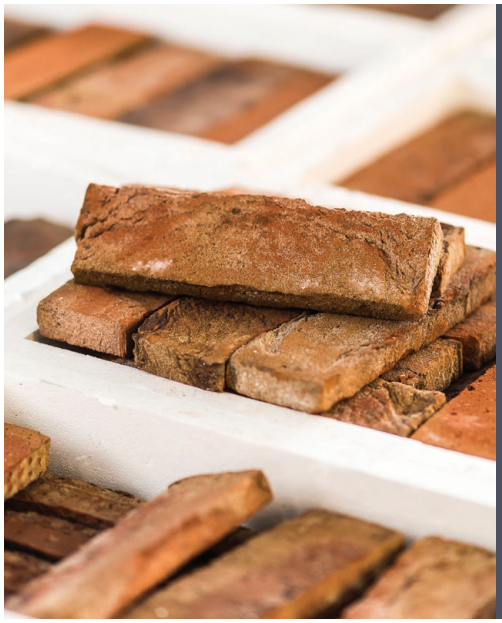
Special pieces such as face and bed corner/s or special angles (eg. 135°) can be "cut and stuck" to order.


STRAIGHT SLIP


90⁰ PISTOL CORNER


SPECIALLY MADE SHAPES

Please enquire about lead times and costs.



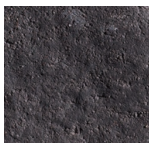
CUT TO ORDER

Where a project requires a particular brick type, not matched by any of the blends carried as stock at Eurobrick we can source these and have them cut to fit within the systems.

Slips can be cut from any FL grade (frost resistant) brick. Slips are usually cut 20mm to 25mm thick, depending on the characteristics of the brick, and can be used with the cladding systems provided the height of the bricks does not exceed 65mm.

Terms and Conditions
Any quantity can be considered for cutting. Pistol corners can also be provided. Please contact us to discuss lead times, costs, terms and conditions relating to orders for specially cut bricks.

Brick slips and mortar available separately

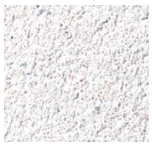

Charcoal


Light Grey


Standard Grey


Sandstone


Light Sandstone


White


Brick Red


Dark Brown

MORTAR

Specially formulated by Eurobrick, Europoint is an easy to use dry pack mortar available in eight standard colours.

Coloured mortars enable the desired aesthetic effect to be achieved either by complementing or contrasting the brick colour.

Europoint is a pre-prepared cement based mortar; just add water and mix. It has been developed for application by gun or grout bag injection. Pointing bags, tips and guns are available.

The colours shown left are indicative, please see **IMPORTANT** section on the back of this guide for further information.

EUROBRICK CLADDING SYSTEMS

Our cladding systems offer the perfect solution for exterior or interior use and can be fitted to most substrate types with or without insulation.

X-CLAD

Lightweight, highly effective insulated system suitable for new build, modular and retrofit projects.

I-CLAD

For interior use, plasterboard or polystyrene based systems can be fixed directly to an existing masonry, steel or timber framed wall.

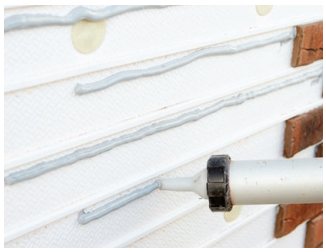
P-CLAD

Designed for use as an external sheathing structure when additional insulation is not required.

INSTALLATION



1. The backer panel is a composite sheet including a laminated ribbed profile skin. The panel is mechanically fixed to the substrate. (Fixings vary according to substrate.)



2. The brick slips are attached with permanent bonding adhesive. The ribs in the skin align and support the brick slips.



3. Specially formulated mortar is then piped into the brick joints.



4. Mortar is tooled in the manner of traditional pointing.

For technical queries or further advice on ordering please call +44 (0)117 971 7117

Please visit our website at **www.eurobrick.co.uk** for more information.

IMPORTANT

It should be noted that as the materials used in the manufacture of bricks, stone and mortars are from natural sources, variations in shade and dimension can occur. This should not be viewed as a fault in production and should be taken into account at the design stage of the project. Coloured mortars will change the appearance of brickwork.

Whilst every reasonable effort is made to ensure that Classic range slips and other specially cut bricks and pistol corners are supplied to a tolerance of +/- 2mm of the prescribed thickness, it is possible that some deviation from size tolerance may be experienced in thickness, shape and length of bricks.

Installers must carefully monitor all materials used and reject any sub-standard or unsuitable materials prior to installation. **Eurobrick Systems Limited** will not accept any liability for any costs arising from the rejection of materials once they have been installed.

STANDARDS

Our systems have been comprehensively assessed and certified by the British Board of Agrément (BBA). We are an ISO 9001:2015 and ISO 14001:2015 company and also provide our own 25 year guarantee for all of our products, please visit our website for further details - **www.eurobrick.co.uk**

Prices of brick slips will vary dependent on blend chosen and volume required.

Our brick slip range is constantly evolving. From time to time, products illustrated in this guide may be discontinued or superseded and new products may be added. For up to date product information, please visit our website or call us to check current stock levels.

MORTAR
The mortar colours shown are indicative. Please note, colour variations can be expected due to the porosity of the brick, finishing techniques, mixing procedures and weather conditions (temperature, humidity and wind) at time of application.

ISO 9001
Certificate No. GB2003636

ISO 14001
Certificate No. EM2000881



VISIT OUR SHOWROOM

You can see all of our cladding systems and finishes at our showroom which is open to visitors Monday-Friday, 9am-4.30pm. An appointment is not necessary but if you would prefer to make one you can do so by calling us on **0117 971 7117**.

EUROBRICK
CLADDING SYSTEMS

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As part of our continuing product development and improvement policy, Eurobrick Systems Ltd reserve the right to change product specifications without prior notice.

Terms and conditions apply, please see our website for more details.