



**APPLICATION FOR DISCHARGE OF PLANNING CONDITION(S)  
FOR PROPOSED RESIDENTIAL DEVELOPMENT AT,  
CLIFFE COTTAGE, 52 ROTHERHAM ROAD,  
MON BRETTON, BARNSLEY, S71 5QX.**

**MATERIALS SCHEDULE**

**MAY 2024  
REF: 2212.MS1A**

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**Application for discharge of Planning condition(s), Proposed Residential Development  
Cliffe Cottage, 52 Rotherham Road, Monk Bretton, Barnsley, S71 5QX.**

**JUNE 2024  
2212.MS1A**

**MATERIALS SCHEDULE**

This schedule has been prepared to support our application for discharge of planning conditions in relation to application ref: 2023/0047, that was permitted on 12<sup>th</sup> April 2024 and particularly Condition No; 3 of said decision.

**1.0    ROOFS**

ALL UNITS                      ARTIFICIAL BLUE/GREY SLATE. SEE ATTACHED SUPPLIERS  
INFORMATION IN APPENDIX A.

**2.0    WALLS**

ALL UNITS                      PRE-AGED COURSED NAT STONE FROM ABACUS STONE SALES  
FLUSH POINTED WITH LIME MORTAR WITH GRIT SAND AS SHOWN  
IN UPPER PART OF SAMPLE PANEL ON ATTACHED PHOTO IN  
APPENDIX B.

**3.0    EXTERNAL WORKS**

DRIVE/ACCESS                MARSHALLS TEGULA PRIORA. MIXED SIZES. "PENNANT GREY"  
COLOURWAY.

SEE ATTACHED MFRS INFO IN APPENDIX C.

PATHS/PAVINGS              NATURAL INDIAN STONE PAVINGS.

Signed.

*J E Architectural Ltd.*

For Mr J Mayes

## **APPENDIX A**

### **SLATE SUPPLIERS' INFORMATION**



## Reproduction 24" x 12" Welsh Slate & Westmorland Green Single Size Slate



Manufactured in the UK

[greysroofing.co.uk](http://greysroofing.co.uk)



Welsh Blue/Grey  
Cover:  
Welsh Blue/Grey



Manufactured in the UK

A roof must be strong, water tight and elegant.  
It is an integral part of the design and structure and it must perform not just structurally but aesthetically.

Lee Johnson, Managing Director, Greys Artstone

Greys Artslate Reproduction Welsh Slate & Westmorland Green Single Size Slate roofing products are hand crafted to give an authentic roofscape.

The glass fibre cement construction provides a light yet durable roofing material.

An easy to lay format and a range of compatible products, including ridges and slate vents to create an extremely versatile and cost effective alternative to natural products.

Each individual slate is hand crafted using moulds taken from slate originals.

The fine edge detail and textured surface combines with realistic colouration to create an attractive alternative to natural slate.

### Advantages of Greys Reproduction Single Size Slate

- Weight 30kgm<sup>2</sup>
- Sizes 600mm x 300mm (24"x12")
- Indented to facilitate either 75mm or 100mm headlap
- Under eaves and under ridge slates (no cutting)
- Slate and a half available
- Uniform size
- No grading required

Greys Artslate Reproduction Welsh Slate & Westmorland Green Single Size Slates have been designed in consultation with professional roofers and architects, to achieve an easy to lay and uniform slating format. Greys Artslate Reproduction Welsh Slate & Westmorland Green Single Size Slates are constructed from Glassfibre Reinforced Concrete (GRC) producing a strong and durable slate weighing only 30kgm<sup>2</sup>. Their construction allows them to be cut easily without cracking or breaking and looks like slate when cut.

### Weight 30Kgm<sup>2</sup>

The light weight construction of our slates saves on labour and timber costs, approximately 33% with our slate products.





Welsh Blue/Grey



Welsh Blue/Grey







## Construction

Our slates are constructed from Glassfibre Reinforced Concrete (GRC). Construction allows easy cutting without cracking or breaking. Our slates weather like stone not concrete, unlike aggregate based concrete products that can show aggregate through their surface due to weathering over time.



Greys Artstone GRC Slate (Glassfibre Reinforced Concrete)

In a recent document The International Glassfibre Reinforced Concrete Association recommend that for good quality GRC, ductile lifetimes of at least 60-80 years can be confidently expected in UK weather conditions (Source: [www.grca.org.uk](http://www.grca.org.uk)).

Visit [www.greysartstone.co.uk](http://www.greysartstone.co.uk) to download GRCA information, British Standards Testing and Data Sheets.

## Our Standards Speak for Themselves

Our roofing products conform to the following BSi Standards ensuring maximum performance in the toughest conditions.

Fixings - to BS 5534:2003

Durability - to BS 7543:2003

Colour - to BS 1014

None combustible - to BS 476 PT.4

Freeze / Thaw - to BS EN 492:2012

Strength - better than BS EN 492:2012

Permeability - to BS EN 492:2012

**BS:EN**  
492:2012  
Tested

**25**  
Year  
Guarantee

## Our Products are Guaranteed

We're confident our product is durable enough and manufactured to the highest of standards that we give a 25 year manufacturer guarantee.

**FREE**  
Batten  
Layouts

## Batten Layout Service

Our Batten Layout Service provides you with all the necessary technical information to ensure your roof will look and perform as it should.



Welsh Heather/Purple



Welsh Blue/Grey

## Uniform size, no grading, no sorting

Greys Artslate Reproduction Welsh Slate & Westmorland Green Single Size Slates are a uniform thickness and require no grading or sorting on site, our range also includes Slate and a Half, Top Slates and Under Eaves Slates where necessary, saving on labour and wastage.



Manufactured in the UK







Welsh Heather/Purple



Welsh Blue/Grey







Westmorland Green  
Single Size Slate





Westmorland Green  
Single Size Slate



Welsh Blue/Grey



Welsh Blue/Grey







Westmorland Green  
Single Size Slate



Welsh Heather Purple



## Specifications

- Weight - 30kgm<sup>2</sup>
- Construction - Glass Fibre Reinforced Concrete
- Fixings - 35mm Copper or Aluminium alloy nails to BS 5534:2003 codes of practice for slating and tiling
- Durability - To BS 7543:2003, 'The durability of building and building elements, products and components'
- Colour - Coloured through with pigments to BS 1014
- Fire - None combustible to BS 476 P.T.4
- Freeze / Thaw - Products comply to BS EN 492:2012
- Strength - Better than BS EN 492:2012
- Permeability - To BS EN 492:2012



greys Roofing Products

## RIDGE KIT FAST-FIX DRY RIDGE KIT

**6m RIDGE KIT**  
 1 x 6m Ventilated Ridge Roll  
 10 x Ridge Batten Brackets  
 13 x Universal Ridge Unions  
 1 x Fixing Kit



We're here to help call 01484 666400  
 to speak to our sales team or visit [greysroofing.co.uk](http://greysroofing.co.uk)

**25**  
Year  
Guarantee

**BS:EN**  
492:2012  
Tested

**CE**

**FREE**  
Site  
Survey

**FREE**  
Estimates

**FREE**  
Batten  
Layouts

**Supply  
& Fit  
Available**

Greys Artstone Limited, Burdwell Works, New Mill Road, Brockholes, Holmfirth, Huddersfield HD9 7AZ

## Environmental Awareness

The CEM 2 cement used in Greys Artstone Roofing Products contains approximately 30% Fly Ash. (Fly Ash is the correct term as appears in European and British Standards and has replaced "Pfa"). Pulverised Fly Ash (PFA), is a waste product of pulverised fuel (typically coal) fired power stations. Manufactured in the UK for the UK market.

### Colour and Efflorescence

**Colour:** Stone and Slate colours in this brochure are subject to the limitations of the printing process and are for guidance only. Please order samples if you require a more accurate colour match.

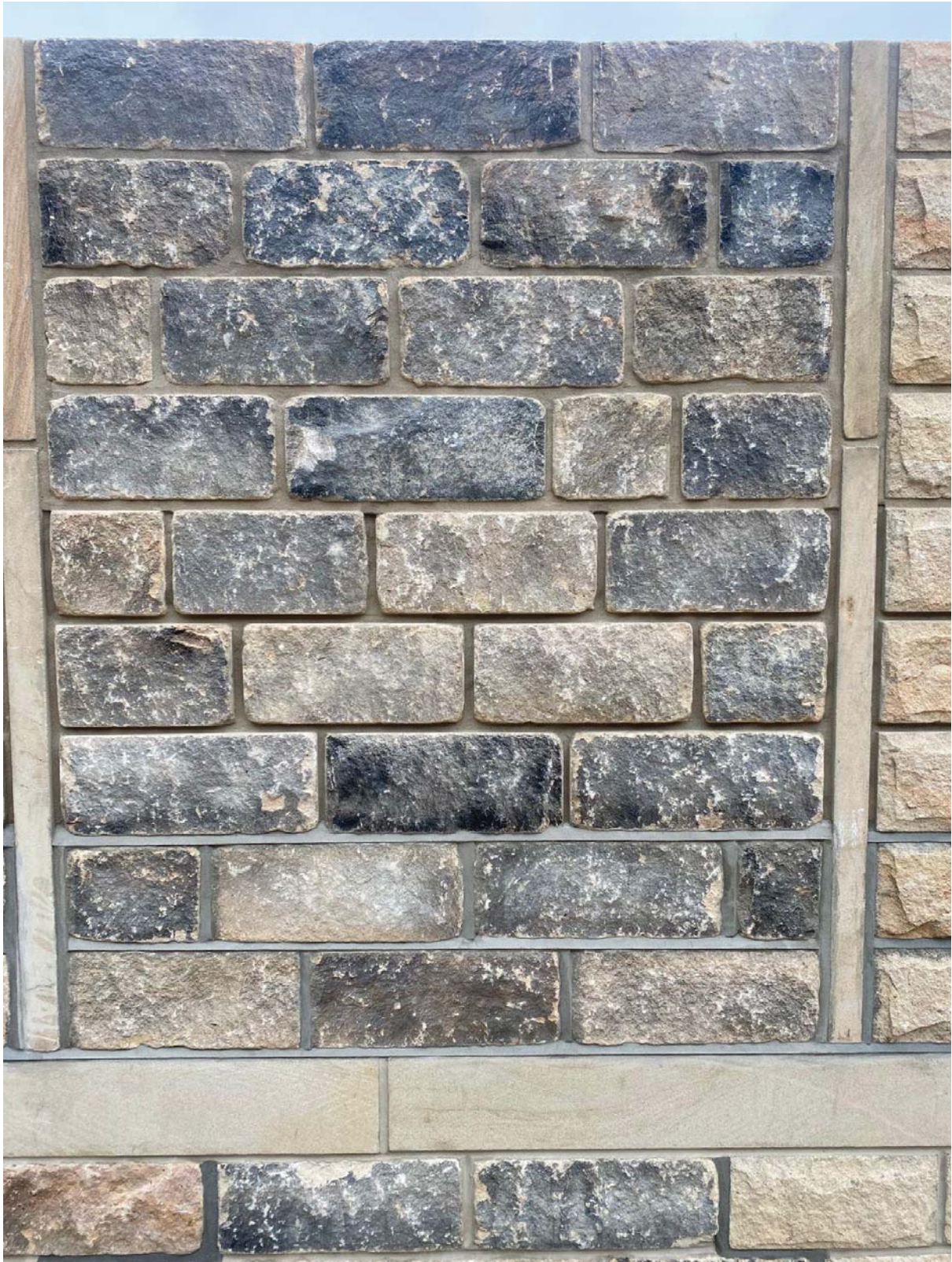
**Efflorescence:** The phenomenon of efflorescence has been a problem to the construction industry for decades. The cause lies in the basis chemistry of all Portland cements. Efflorescence in Greys Artstone Limited products is a temporary phenomena and will disappear over time.



Manufactured in the UK

**APPENDIX B**

**STONE WALLING DETAIL**



**IMAGE OF SUPPLIERS SAMPLE PANEL**

**(FLUSH POINTED AS UPPER FOUR COURSES WITH LIME  
MORTAR WITH GRIT SAND AND BRUSHED-OFF)**



## **APPENDIX C**

### **EXTERNAL WORKS MFR'S INFORMATION.**

## Tegula Priora 160 x 120 x 60



Marshall's market-leading Priora permeable paving has been proven over 10 years of successfully installed projects. Tegula Permeable Paving is a lightly weathered, multi-size, SuDS-compliant surfacing solution, ideal for use in rural, rustic projects. The traditional sizes create a classically British aesthetic that suits civic and residential developments alike. Each unit features the unique, patented Priora nib which ensures that surface water drains straight into the specially prepared sub-base, leaving the paved area clean, safe and puddle-free. The nibs also interlock to enhance surface stability. Tegula Priora is available in 5 different colours and 3 different plan sizes to enable a variety of laying patterns to be created. As long as the sub-base is installed to Marshall's specification, Tegula Priora is suitable for all loading requirements.

DESCRIPTION	
Appearance	Solid unit with integral spacers intended to create 6mm drainage apertures
Manufacturing Process	Semi dry pressed & vibrated concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1338 : 2003
UKCA Marking/DOP	<a href="http://www.marshalls.co.uk/declarations">www.marshalls.co.uk/declarations</a>
NBS Specification	Q24 115



# Tegula Priora 160 x 120 x 60

## PHYSICAL PROPERTIES

Work Dimensions (mm)	160 x 120 x 60
Nominal Dimensions (mm)	160 x 120 x 60
Tolerances on Work Dimensions (mm)	Length $\pm 2$ mm, width $\pm 2$ mm, thickness $\pm 3$ mm
Abrasion Resistance (mm)	$\leq 23$ mm (Wide Wheel Abrasion Test)
Durability (Freeze-thaw)	$\leq 1.0$ kg/m <sup>2</sup> as a mean with no individual value $> 1.5$ kg/m <sup>2</sup>
Material Density	2300 kg/m <sup>3</sup> (typically)
Slip/Skid Resistance (polished)	Mean polished skid resistance value (PSRV) : $> 45$
Slip/Skid Resistance (unpolished)	Mean unpolished skid resistance value (USRV) : $> 45$
Thermal Conductivity (K value)	Design data as defined to BS EN 13369
Tensile Splitting Strength	Characteristic tensile splitting strength not less than 3.6 MPa. None of the individual results shall be less than 2.9 MPa, nor have a failure load less than 250N/mm of splitting length
LRV Range	NA

## SPECIFICATION

Approx unit weight (kg)	2.7
Emission of Asbestos	No content
External Fire Performance	Deemed to satisfy when used for roofing
Reaction to fire	Class A1 when used for internal flooring

## SUSTAINABILITY

Breeam	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	16

## APPLICATION

Loading Classification	Category 5 - 1 large goods vehicle per week (0.015 msa)
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## SITE WORKS

Coverage	53 no per m <sup>2</sup>
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## SUPPLY

Av. Pack Size m2	9.33
Units Per Pack	486
Av. pack weight (kg)	1213
Packaging	All packs are shrinkwrapped onto pallets for fork off-load or crane off-load if necessary

## FURTHER INFORMATION

Cleaning & Maintenance	Available on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking
Weathering	It should be appreciated that with all products weathering and site conditions can cause shade variation to appear across the surface of individual units. This does not in any way affect the performance of the units and any such variation will diminish over a period of time as the product matures.
Product Evolution	The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details Product Evolution Marshalls reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice
Contact Us	For technical information on the design, specification and construction when utilising the product, contact Group Technical Services on 0370 411 2233





## Tegula Priora 160 x 160 x 60



Marshall's market-leading Priora permeable paving has been proven over 10 years of successfully installed projects. Tegula Permeable Paving is a lightly weathered, multi-size, SuDS-compliant surfacing solution, ideal for use in rural, rustic projects. The traditional sizes create a classically British aesthetic that suits civic and residential developments alike. Each unit features the unique, patented Priora nib which ensures that surface water drains straight into the specially prepared sub-base, leaving the paved area clean, safe and puddle-free. The nibs also interlock to enhance surface stability. Tegula Priora is available in 5 different colours and 3 different plan sizes to enable a variety of laying patterns to be created. As long as the sub-base is installed to Marshall's specification, Tegula Priora is suitable for all loading requirements.

DESCRIPTION	
Appearance	Solid unit with integral spacers intended to create 6mm drainage apertures
Manufacturing Process	Semi dry pressed & vibrated concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1338 : 2003
UKCA Marking/DOP	<a href="http://www.marshalls.co.uk/declarations">www.marshalls.co.uk/declarations</a>
NBS Specification	Q24 115



# Tegula Priora 160 x 160 x 60

## PHYSICAL PROPERTIES

Work Dimensions (mm)	160 x 160 x 60
Nominal Dimensions (mm)	160 x 160 x 60
Tolerances on Work Dimensions (mm)	Length $\pm 2$ mm, width $\pm 2$ mm, thickness $\pm 3$ mm
Abrasion Resistance (mm)	$\leq 23$ mm (Wide Wheel Abrasion Test)
Durability (Freeze-thaw)	$\leq 1.0$ kg/m <sup>2</sup> as a mean with no individual value $> 1.5$ kg/m <sup>2</sup>
Material Density	2300 kg/m <sup>3</sup> (typically)
Slip/Skid Resistance (polished)	Mean polished skid resistance value (PSRV) : $> 45$
Slip/Skid Resistance (unpolished)	Mean unpolished skid resistance value (USRV) : $> 45$
Thermal Conductivity (K value)	Design data as defined to BS EN 13369
Tensile Splitting Strength	Characteristic tensile splitting strength not less than 3.6 MPa. None of the individual results shall be less than 2.9 MPa, nor have a failure load less than 250N/mm of splitting length
LRV Range	NA

## SPECIFICATION

Approx unit weight (kg)	3.5
Emission of Asbestos	No content
External Fire Performance	Deemed to satisfy when used for roofing
Reaction to fire	Class A1 when used for internal flooring

## SUSTAINABILITY

Breeam	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	16

## APPLICATION

Loading Classification	Category 5 - 1 large goods vehicle per week (0.015 msa)
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## SITE WORKS

Coverage	39 no per m <sup>2</sup>
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## SUPPLY

Av. Pack Size m2	9.68
Units Per Pack	378
Av. pack weight (kg)	1258
Packaging	All packs are shrinkwrapped onto pallets for fork off-load or crane off-load if necessary

## FURTHER INFORMATION

Cleaning & Maintenance	Available on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking
Weathering	It should be appreciated that with all products weathering and site conditions can cause shade variation to appear across the surface of individual units. This does not in any way affect the performance of the units and any such variation will diminish over a period of time as the product matures.
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## Tegula Priora 240 x 160 x 60



Marshall's market-leading Priora permeable paving has been proven over 10 years of successfully installed projects. Tegula Permeable Paving is a lightly weathered, multi-size, SuDS-compliant surfacing solution, ideal for use in rural, rustic projects. The traditional sizes create a classically British aesthetic that suits civic and residential developments alike. Each unit features the unique, patented Priora nib which ensures that surface water drains straight into the specially prepared sub-base, leaving the paved area clean, safe and puddle-free. The nibs also interlock to enhance surface stability. Tegula Priora is available in 5 different colours and 3 different plan sizes to enable a variety of laying patterns to be created. As long as the sub-base is installed to Marshall's specification, Tegula Priora is suitable for all loading requirements.

DESCRIPTION	
Appearance	Solid unit with integral spacers intended to create 6mm drainage apertures
Manufacturing Process	Semi dry pressed & vibrated concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1338 : 2003
UKCA Marking/DOP	<a href="http://www.marshalls.co.uk/declarations">www.marshalls.co.uk/declarations</a>
NBS Specification	Q24 115





## Tegula Priora 240 x 160 x 60

### PHYSICAL PROPERTIES

Work Dimensions (mm)	240 x 160 x 60
Nominal Dimensions (mm)	240 x 160 x 60
Tolerances on Work Dimensions (mm)	Length $\pm 2$ mm, width $\pm 2$ mm, thickness $\pm 3$ mm
Abrasion Resistance (mm)	$\leq 23$ mm (Wide Wheel Abrasion Test)
Durability (Freeze-thaw)	$\leq 1.0$ kg/m <sup>2</sup> as a mean with no individual value $> 1.5$ kg/m <sup>2</sup>
Material Density	2300 kg/m <sup>3</sup> (typically)
Slip/Skid Resistance (polished)	Mean polished skid resistance value (PSRV) : $> 45$
Slip/Skid Resistance (unpolished)	Mean unpolished skid resistance value (USRV) : $> 45$
Thermal Conductivity (K value)	Design data as defined to BS EN 13369
Tensile Splitting Strength	Characteristic tensile splitting strength not less than 3.6 MPa. None of the individual results shall be less than 2.9 MPa, nor have a failure load less than 250N/mm of splitting length

### SPECIFICATION

Approx unit weight (kg)	5.3
Emission of Asbestos	No content
External Fire Performance	Deemed to satisfy when used for roofing
Reaction to fire	Class A1 when used for internal flooring

### SUSTAINABILITY

Breeam	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	16

### APPLICATION

Loading Classification	Category 5 - 1 large goods vehicle per week (0.015 msa)
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### SITE WORKS

Coverage	17 no per m <sup>2</sup>
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### SUPPLY

Av. Pack Size m2	9.68
Units Per Pack	252
Av. pack weight (kg)	1258
Packaging	All packs are shrinkwrapped onto pallets for fork off-load or crane off-load if necessary

### FURTHER INFORMATION

Cleaning & Maintenance	Available on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking
Weathering	It should be appreciated that with all products weathering and site conditions can cause shade variation to appear across the surface of individual units. This does not in any way affect the performance of the units and any such variation will diminish over a period of time as the product matures.
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