

Product Data Sheets

To be read in conjunction with Drawings

Red Brick**Product Technical Information Sheet**

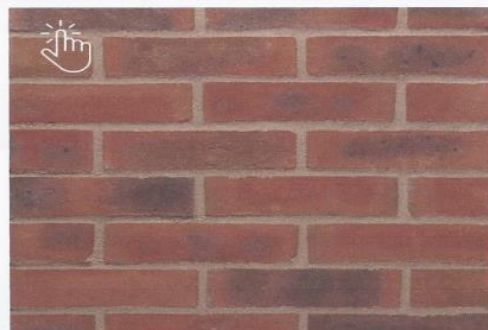
Wienerberger Code	24250080
Production Plant	Warnham
Manufacture	Soft Mud Moulded Stock
Configuration	Frogged
Colour	Red Multi
Appearance	Flat
Work Size (mm)	215 x 102.5 x 65
Pack Quantity	500 No.
Individual Dry Brick Weight (kg)	2.4

Technical Properties to BS EN 771-1

Size Tolerance (Mean/Range)	T2/R1
Gross Dry Density (kg/m ³ /Tolerance)	1630 (D1)
Compressive Strength (N/mm ²)	≥12
Thermal Conductivity (W/(m·K))	P=90% 0.60
$\lambda_{10, dry, unit}$ value (EN 1745 tabulated: S1)	
Durability Designation	F2
Water Absorption (%)	≤15
Initial Rate of Water Absorption (kg/(m ² ·min))	Min. 0.7 Max. 3.0
Active Soluble Salts	S2
Reaction to Fire	Class A1

Issue Date: 09/09/2020

Technical data correct at time of issue. Individual dry brick weights can vary and are for guidance only. Any questions regarding this data should be referred to the Wienerberger Technical Department. Due to the limitations of screen and print colour representation of product images it is advised that brick samples are viewed prior to ordering.



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✉ Wall and Landscaping enquiries

☎ 0161 491 8200

🌐 www.wienerberger.co.uk

For boundary wall and main building.

External Windows and Doors:

Window Specification:

- Windows are fabricated, in house, using 5 Chambered 70mm Kommerling C70 PVCu Profile
- Bi-directional stainless steel locking mechanisms
- Trickle Vents
- Document Q To Ground Floor
- Windows internally glazed for added security
- Sculptured glazing beads used throughout
- Lockable Handles
- 28mm Double glazed units
- Toughened Glass Where Required

Door Specification:

- Doors are fabricated, in house, using 5 Chambered 70mm Kommerling C70 PVCu Profile
- Fully steel re-enforced
- Document Q To Ground Floor
- Shiplap Panels
- Panic Release Where Required
- Low Aluminium Threshold
- High security stainless steel multi-point locking system incorporating hook bolts
- 28mm Toughened Double glazed units
- Doors internally glazed for added security
- Heavy Duty Flag Hinges
- Sculptured glazing beads used throughout

French Door Specification:

- Doors are fabricated using 5 Chambered 70mm Kommerling C70 PVCu Profile
- Fully re-enforced with galvanized steel
- High security stainless steel multi-point locking system incorporating shootbolts
- Twin Handles, as standard
- Panic Release Where Required
- Low Aluminium Threshold
- Document Q To Ground Floor
- Shiplap Panels
- 28mm Double glazed toughened units
- Keyed alike door cylinders
- Heavy duty flag hinges

Aluminium Door Specification:

- Doors are fabricated using Komar 7 Commercial Aluminium System
- Overhead Transom Closers
- AFT Hinge Stiles
- Low Aluminium Threshold
- Electric Release Latch (Door Entrance System by Others)

Glass Specification:

- 4mm Low Iron Outer Pane, 4mm Planitherm Soft Coat Inner Pane
- Warm Edge Spacer Bar
- 6.8mm Laminated to Ground Floor Only
- Argon Gas Filled

(This will enable windows and doors to achieve a U-Value of 1.4, (A Rated Units))

Colour: White

Roof Tiles:

10/10/22, 5:00 PM

Redland Mini Stonewold Slate Charcoal Grey Roofing Tile | Travis Perkins

Overview

Size : 418mm x 334mm.

Minimum pitch : 17.5 at 100mm headlap. 22.5 at 75mm headlap. Maximum pitch : 90.

Maximum headlap : 125mm. Minimum gauge : 293mm. Maximum gauge : 318mm below 22.5. 343mm 22.5 and over.

Tile thickness : 31mm.

Coverage : 10.7 slates/m² at 318mm gauge. 9.9 slates/m² at 343mm gauge.

Weight : 5.10 tonnes/1000.

[View less](#)**Technical specification**

Country Origin	UK	Manufacturer Model No	426177
Brand Name	Redland	Length	418 mm
Thickness	31 mm	Width	334 mm
Weight	5.10 kg	Material	Concrete
Colour	Charcoal Grey	Usage	Roofing
UV Protected	Yes	Pack Quantity	EA
Type	Slate		

Cast Stone window head:

Angled Head H030

Our Angled Heads are designed to fit standard brick coursing.

Code	Brick		Overall		Weight (kg)	No. of sections
	Height (mm)	Width opening (mm)	length (mm)	length (mm)		
H030-660	215	100	460	660	25	1
H030-885	215	100	685	885	35	1
H030-1110	215	100	910	1110	45	1
H030-1335	215	100	1135	1335	55	1
H030-1448	215	100	1248	1448	61	1
H030-1560	215	100	1360	1560	66	2
H030-1785	215	100	1585	1785	76	2
H030-2010	215	100	1810	2010	86	2

Head Section Detail

Plan and Elevation of our standard opening sizes

Typical installation detail

Our Heads are non structural and should be used in conjunction with supporting lintels. They are available to fit standard openings or a bespoke opening to your request. Internal Stainless steel reinforcing and lifting lugs can be cast in to order. If you require any further information, please call 01258 472685 and ask to speak to a member of our technical department.

All joints shown 6mm

2.4 Telephone 01258 472685 email info@cranbornestone.com web www.cranbornestone.com

Cast Stone Window Cill:

Two Brick Stooled Cill CL015

Our CL015 Two Brick cills are designed to fit standard brick coursing without penetrating the cavity

Code	Height (mm)	Width (mm)	Opening length (mm)	Overall length (mm)	Weight (kg)	No. of sections
CL015-660	140	150	460	660	26	1
CL015-885	140	150	685	885	36	1
CL015-1110	140	150	910	1110	44	1
CL015-1335	140	150	1135	1335	52	1
CL015-1448	140	150	1248	1448	57	2
CL015-1560	140	150	1360	1560	61	2
CL015-1785	140	150	1585	1785	70	2
CL015-2010	140	150	1810	2010	79	2

Section

Plan and Elevation of our standard opening sizes

Typical installation detail

Our Cills are available to fit standard openings or a bespoke opening to your request.

Internal Stainless steel reinforcing and lifting lugs can be cast in to order. If you require any further information, please call 01258 472685 and ask to speak to a member of our technical department.

All joints shown 6mm

1.3 Telephone 01258 472685 email info@cranbornestone.com web www.cranbornestone.com

Cast Stone Plain Coping:

Plain Coping

Our Plain Coping offers a simple and practical option where coping is required with limited detail.

Section

Typical installation detail

Due to its simple nature, our Plain Coping can be used in a number of configurations with ease. Please let us know if you require ends or returns as these can be made by simply modifying the placement of the drip channel.

If you require any further information, please call 01258 472685 and ask to speak to a member of our technical department.

Code	Max.*					Weight (Kg)
	Height (mm)	Width (mm)	Wall Width (mm)	Length (mm)		
WB8	51	203	153	1000	22	
WB10	51	254	204	1000	27	
WB12	51	305	255	1000	33	
WB14	64	356	306	1000	48	
WB16	64	406	356	1000	55	
WB18	64	457	407	1000	61	
WB20	76	508	458	1000	81	
WB22	76	559	509	1000	89	
WB24	76	610	560	1000	97	

*Maximum wall width allows 25mm either side for drip and overhang.

4.1 Telephone 01258 472685 email info@cranbornestone.com web www.cranbornestone.com

Cast Stone Flat Decorated Coping:

Flat Decorated Copping

Our Flat Decorated Copping adds a classical detail making it particularly suitable for gables and more decorative walls.

Section

Our Flat Decorated Copping is available in 1000mm straight lengths and end sections. 90 degree corners are also available.

If you require any further information, please call 01258 472685 and ask to speak to a member of our technical department.

**90° Return
(Shown in Plan)**

Straight	Code	Height (mm)	Max.*		Length (mm)	Weight (Kg)
			Width (mm)	Wall Width (mm)		
	WF8	51	203	103	1000	21
	WF10	51	254	154	1000	26
	WF12	51	305	205	1000	32
	WF14	64	356	246	1000	46
	WF16	64	406	296	1000	53
	WF18	64	457	347	1000	59
	WF20	76	508	386	1000	79
	WF22	76	559	437	1000	87
	WF24	76	610	488	1000	95

90° Returns	Code	Height (mm)	Dimension		Max.*	Dimension	Weight (Kg)
			A (mm)	Wall Width (mm)			
	WF8C	51	203	103	203	4	
	WF10C	51	254	154	254	7	
	WF12C	51	305	205	305	10	
	WF14C	64	356	246	356	17	
	WF16C	64	406	296	406	23	
	WF18C	64	457	347	457	28	
	WF20C	76	508	386	508	41	
	WF22C	76	559	437	559	48	
	WF24C	76	610	488	610	58	

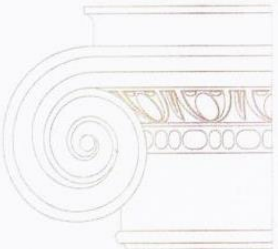
End Sections	Code	Height (mm)	Max.*		Length (mm)	Weight (Kg)
			Width (mm)	Wall Width (mm)		
	WF8E	51	203	103	1000	21
	WF10E	51	254	154	1000	26
	WF12E	51	305	205	1000	32
	WF14E	64	356	246	1000	46
	WF16E	64	406	296	1000	53
	WF18E	64	457	347	1000	59
	WF20E	76	508	386	1000	79
	WF22E	76	559	437	1000	87
	WF24E	76	610	488	1000	95

*Maximum wall width allows 25mm either side for drip and overhang.

Cast Stone Colours:

Colours

Our range of standard colours have been developed to reflect the regional variations of true stone. We also offer a bespoke colour matching service. If you require a bespoke colour, or need to colour match to existing stone work, please call a member of our technical team on 01258 472685



Portland White



Cotswold



Bath Yellow ✓



York



Italian Terracotta



Shaftesbury Green



Faux Slate

Telephone 01258 472685 email info@cranbornestone.com web www.cranbornestone.com

Marshall's Block paving:



Marshall's
Creating Better Spaces

Landscape House, Premier Way,
Lowfields Business Park,
Elland HX5 9HT
Tel: 03704 11 22 33

T: 01422 312000
F: 01422 312943
E: grouptechnicalservices@marshalls.co.uk
W: www.marshalls.co.uk/commercial

Tegula Priora 240 x 160 x 60

Date Created: 17/03/21





Tegula Priora -
Traditional



Tegula Priora -
Harvest



Tegula Priora -
Pennant Grey

*Natural products are manufactured from aggregates sourced locally to the works and contain no pigmentation, therefore colour variation between products from different works is possible.

Marshall's **Tegula Priora Permeable Paving** range is a lightly weathered, multi-size, long lasting **SuDS-compliant** surfacing solution, ideal for use in rural, rustic projects.

Manufactured in Mainland UK, the traditional sizes create a classically British aesthetic that suits both civic and residential developments. 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 for years. The nibs also interlock to enhance surface stability.

Tegula Priora is available in a range of popular colours, two depths and three different plan sizes to help achieve a variety of laying patterns. As long as the sub-base is installed to Marshall's specification, **Tegula Priora** is suitable for all loading requirements.

Our standard Tegula paving range can be seen [here](#). Our other ranges of Priora Permeable paving is available [here](#).

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
Type	Solid unit with integral spacers intended to create 6mm drainage apertures
CE Marking/DOP	https://www.marshalls.co.uk/dop
NBS Specification	Q24 115

Tegula Priora 240 x 160 x 60

Date Created: 17/03/21

PHYSICAL PROPERTIES

Work Dimensions (mm)	240 x 160 x 60
Nominal Dimensions (mm)	240 x 160 x 60
Tolerances on Work Dimensions (mm)	Length ± 2 mm, width ± 2 mm, thickness ± 3 mm
Abrasion Resistance (mm)	≤ 23 mm (Wide Wheel Abrasion Test)
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ²
Material Density	2300 kg/m ³ (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 (2013)
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. See Commission Decision 2000/553/EC
Reaction to fire	Class A1 when used for internal flooring. Decision 96/603/EC

SUSTAINABILITY

Breem	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	16 kg CO ₂ m ²

APPLICATION

Loading Classification	Category 5 - 1 large goods vehicle per week (0.015 msa)
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SUPPLY

Pack size (m ²)	8.91
Units per pack	232
Av. pack weight (kg)	1323
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 Marshall's 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

Marshall's Saxon Paving:

Landscape House, Premier Way,
Lowfields Business Park,
Elland HX5 9HT
Tel: 03704 11 22 33
<https://www.marshalls.co.uk/commercial>

T: 01422 312000
F: 01422 312943
E: services.advisory@marshalls.co.uk

Saxon 400 x 400 x 50

Date Created: 07/02/19



Marshall's Saxon Textured Flag Paving is designed to provide a unique surface finish through its blend of a hard Yorkstone aggregate. The manufacture of the paving stones, in which Saxon Paving is given its textured finish, means that it delivers both durability and non-slip properties.

With an extensive range of thicknesses and sizes available, Marshall's Saxon Textured Flag Paving is suitable for any landscape application.

Traffic formats and the optional use of patented Fibre Reinforcement also means that Saxon paving can be deployed in areas of variable loading requirements.

The paving is available in 3 colours - Natural, Buff and Charcoal. Additionally, a comprehensive choice of plan sizes is offered including Step Tread formats. Other products in the Saxon range include Saxon Bollard Surround Units and Saxon Kerb, allowing designers to create a uniform finish.

DESCRIPTION

Appearance	Solid unit with textured surface
Manufacturing Process	Hydraulically pressed concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1339 : 2003
CE Marking/DOP	https://www.marshalls.co.uk/dop
NBS Specification	Q25 315

Saxon 400 x 400 x 50

Date Created: 07/02/19

PHYSICAL PROPERTIES

Tolerances	Minimum (mm)	Maximum (mm)
Length	396	400
Width	396	400
Thickness	47	53
Work Dimensions (mm)	398 x 398 x 50	
Nominal Dimensions (mm)	400 x 400 x 50	
Tolerances on Work Dimensions (mm)	Length ± 2 mm, width ± 2 mm, thickness ± 3 mm	
Abrasion Resistance (mm)	≤ 23 mm (Wide Wheel Abrasion Test)	
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ²	
Material Density	2300 kg/m ³ (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 : 2013	

SPECIFICATION

Approx unit weight (kg)	18
Emission of Asbestos	No content
External Fire Performance	Deemed to satisfy. See commission decision 2000/553/ECU
Reaction to fire	Class A1, see commission decision 2000/605/EC

SUSTAINABILITY

Breeam	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	17 kg CO ₂ m ²

APPLICATION

Loading Classification	Category 6 - 10 large goods vehicles per week (0.15 msa)
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SITE WORKS

Coverage	6.25 no per m ²
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SUPPLY

Av. pack size (m ²)	6.4
Units Per Pack	40
Av. pack weight (kg)	728
Packaging	All packs are suitable for crane off-load Fork lift off-load on request

FURTHER INFORMATION

Cleaning & Maintenance	Cleaning & maintenance details are 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. Marshall's 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 the Technical Advisory Services Department on 0370 411 2233

Rooflights:



Size

MK08 - 78 x 140cm

Width

780mm

Code

GGL

Height

1400mm

Finish

Pine
White Painted

Operation

Manual
Solar
Electric

Glazing

Double Glazing
Enhanced Noise
Reduction Glazing
Noise Reduction
Glazing
Security Glazing
Triple Glazing

Entrance Canopy:



Timber frame porches. Oak 2 post porch with red brick plinth (to match boundary wall and brick building- product data sheet 1).



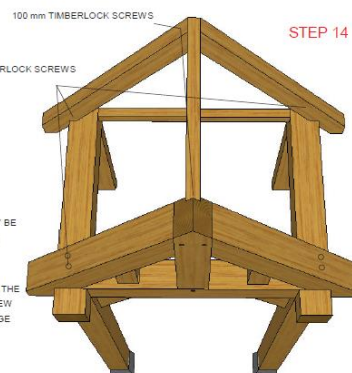
ONCE TRUSS HAS BEEN FITTED AND PEGGED WITH 19 mm OAK PEGS WE CAN FIT THE 100 X 100 mm CENTRE SIDE STUITS. THESE ARE NOT MORTISED & TENONED BUT SCREWED IN FROM THE TOP OF THE TRUSS RAFTERS & THE SIDE OF THE STRUT AT THE BOTTOM. TO BE PLUGGED WITH SPARE 19 mm OAK PEG.



STEP 13

ONCE TRUSS IS COMPLETE IT IS TIME TO ERECT THE ROOF. THE RIDGE PROVIDED WILL BE LEFT LONG SO THAT YOU CAN MEASURE BACK TO YOUR WALL AND CUT TO SUIT. THE RIDGE IS NOTCHED IN THE BACK FACE OF THE KING POST BY 10 MM SO YOU NEED TO MEASURE FROM THERE. FIT RIDGE FROM THE TOP IF YOU CAN, IT MAY BE A TIGHT FIT AND NEED KNOCKING DOWN.

FIT MAIN REAR RAFTERS NUMBERS 1 & 8 USING A 150 mm TIMBERLOCK SCREW IN THE BOTTOM AND A 100 mm TIMBERLOCK SCREW IN THE TOP. MAKING SURE THAT THE RIDGE IS LEVEL.



STEP 14



STEP 15

ONCE MAIN RIDGE AND REAR RAFTERS ARE FITTED THEN INFILL THE REST OF THE RAFTERS TO THE MARKS ON TOP OF THE BEAM. USE SAME PROCEDURE WITH TIMBERLOCK SCREWS.



STEP 16

FINAL PART IS TO FIT FRONT RAFTERS. FIX BOTTOM FIRST ON ONE SIDE ENSURING BIRDSMOUTH A TIGHT FIT USING 150 mm TIMBERLOCK SCREWS. DO THE SAME FOR THE OPPOSITE RAFTER FOOT AND THEN SCREW THE TOPS USING 100 mm TIMBERLOCK SCREWS



document with: 145 Pages - www.tfp.co.uk

Boundary railings:



Alpha Rail.

Bow Top Railing.

Colour: Black.

Cheeks for the dormer:**ALWITRA ROOFING MEMBRANES****EVALON AND EVALON V ROOFING SHEETS**

This Agrément Certificate Product Sheet¹⁾ relates to Evalon and Evalon V Roofing Sheets, for use as roof waterproofing membranes in mechanically-fastened, fully-adhered, loose-laid and ballasted specifications on flat and pitched roofs with limited access, and in roof gardens and green roof applications.

1) Hereinafter referred to as 'Certificate'.

CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.

**KEY FACTORS ASSESSED**

Weathertightness — the products will resist the passage of moisture into the building (see section 6).

Performance in relation to fire — the products will enable a roof to be unrestricted under the Building Regulations (see section 7).

Resistance to wind uplift — the products will resist the effects of any likely wind suction acting upon the roof (see section 8).

Resistance to foot traffic — the products will accept the limited foot traffic and loads associated with installation and maintenance (see section 9).

Resistance to penetration of roots — the products will resist the penetration of roots (see section 10).

Durability — under normal service conditions the products will provide a durable roof waterproofing with a service life of at least 30 years (see section 12).

The BBA has awarded this Certificate to the company named above for the products described herein. These products have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

John Albon — Head of Approvals
Construction Products

Claire Curtis-Thomas
Chief Executive

Date of Fifth issue: 4 September 2015

Originally certified on 28 October 1996

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbaccerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by reference to the BBA website or contacting the BBA direct.

Alwitra: Evalon V Superior single-ply waterproofing.

Fascia and soffitt:



Colour fastness

Foam profiles / rigid profiles

BS1006 / 1990 Part A03 - Tests undertaken by BSI Testing for colour change resulted in an actual classification of 4 / 5 (where 1= most change and 5 = least change).

Fire rating

Foam profiles

Tested to BS476 Part 7:1997 Class 1 surface spread of fire. Woodgrain profiles do not carry a fire rating.

Rigid profiles

Tested to BS476 Part7:1997 Class 1 surface spread of fire.

Thermal conductivity

Foam profiles 0.07 (w/mk)

This low coefficient of thermal conductivity for Foam Profiles indicates thermal insulation properties better than brick, concrete or timber.

Rigid profiles 0.14 (w/mk)

Density

Foam profiles 0.55 - 0.6 g/cm³

Rigid profiles 1.40 - 1.50 g/cm³

UPVC

Colour: White

Guttering and downpipe



Colour: Black

Product: UPVC

Company: Floplast

Refuse and cycle store:



Composite timber cladding boards.

Cedar.

Company: Specialised panel products.

Cedar Cladding

Cedar wood grained composite cladding offers the warmth and appeal of natural hardwood without the time and expense of maintenance. Modern technology has been used to create a European Class B fire resistant cladding board adding increased durability along with enhanced stain and fade resistant. Our composite cladding is the ideal board for those who do not want to compromise.

- Cedar Class B Fire Rated Cladding Board (100% FSC)
- Joist Span: 400mm
- Size: 3600 x 156 (Coverage 142mm) x 16mm
- Finish: Enhanced Wood Grain
- Weight: 5.8kg

Render



Company: K Rend

Colour: Sterling White13

Product Data Sheet

Silicone K1

Silicone K1 is a water repellent, cement based, polymer modified, self-coloured render, requiring only the addition of water and 10 minutes mixing time. If applied as per manufacturer's instructions, Silicone K1 will provide an attractive, low maintenance finish. K Rend Silicone K1 is Kitemarked and CE marked to BS EN 998-1:2010 and also ISO 9001 approved.

Silicone K1 is specifically designed to incorporate the benefits of silicone water repellents into a cement-based render system.

Silicone adds a high water repellent quality, while allowing water vapour to pass freely through the render; thus the amount of dirt adhering to the surface is greatly reduced, ensuring a freshly rendered appearance for a prolonged period of time. This dry surface also improves the resistance of the finished render to algae growth and the natural phenomenon of lime-bloom.

One Coat Coverage:

1.6 kg / mm thick / sq m

One Coat Require:

26 - 32kg / sq m approx.

Nominal 16 - 20mm thickness

Silicone K1 is normally applied in two passes depending on background conditions and final finish required. It is important that a consistent minimum finished thickness is achieved over the whole surface and that the maximum recommended thicknesses are not exceeded.

COLOUR

- Samples from an extensive range are provided on request, for colour indication only
- A site sample panel is recommended, to ensure the specifier is satisfied with render colour and texture
- K Rend materials are manufactured from natural products, slight shade variations may occur

KITEMARK CLASSIFICATIONS

Compressive Strength: CS II

Capillary Water Absorption Category: W2

Thermal Conductivity: P=50% - 0.39



APPLICATION

- Silicone K1 is designed for use with most spray machines
- Add material to the feeding hopper and adjust water supply to achieve the desired consistency. Open time - approx one hour
- Add 4 - 5 litres of clean water per 25kg sack
- Do not polish
- Small areas such as quoins and window reveals may be finished smooth
- Use polythene sheeting to protect doors, windows and other features from any over spraying during application

FIRST PASS

- Using a 12mm or 14mm diameter mortar nozzle, spray Silicone K1 directly on to the prepared wall surface to the required thickness of 4 - 8mm
- Level out immediately, using a straight edge, smoothing trowel or float
- Allow the first pass to stiffen before applying the second pass, the time between passes being shorter in warm dry conditions, and much longer in extreme wet conditions

SECOND PASS

- Use 8mm or 14mm diameter spray nozzle according to the finish required. The normal recommended finished thickness of most finishes is between 12 - 14mm

FINISHES

Textured Finish

- To achieve a textured finish, scraping should take place when the render has set but not hardened. The exact timing of this operation will vary according to the weather conditions
- The surface is ready when a thumb impression cannot be made and when the aggregate scrapes easily from the matrix without sticking to the scraper
- Scraping should be done in a tight circular motion, and the surface brushed down with a soft brush upon completion
- All areas must be scraped at the same stage of readiness, as early scraping will result in darker shades and late scraping in lighter shades
- A uniform approach is essential to achieve an even finish

Ashlar Cutting

Having scraped the surface level, an ashlar effect may be achieved by cutting into the surface with an ashlar cutter to form grooves.

Leave a minimum 10mm of coloured K Rend between the recessed ashlar cut and the substrate.

- When forming cuts, take care to avoid damaging the arrises by working away from the external corner
- All cuts must be the same width and depth and set out uniformly as required