



Castile

Promenade tiles

FLAT ROOF BALCONY WALKWAY ROOF TERRACE DISPLAY AREA ROOF GARDEN

castile
COMPOSITES

GLASS FIBRE REINFORCED CONCRETE PROMENADE TILES

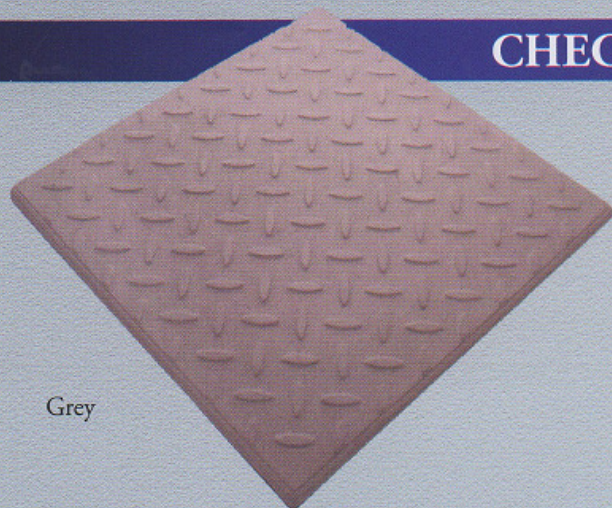
Castle Composites Ltd are pleased to present the "Castile" range of Promenade Tiles manufactured to the highest standards under BS EN ISO 9001: 2008 certification to ensure complete customer satisfaction. Castile tiles are produced from a blend of Silica Sand, High Strength Granite, Top Quality Cement, Glass Fibre and product enhancing additives. This attention to the mix constituents ensures, through a regime of regular testing, that the tiles delivered to you are strong, durable and can be used with complete confidence.

Promenade Tiles have traditionally been used in the roofing industry to great effect where attractive weatherproof and durable surfaces are required. Promenade Tiles provide crucial protection to the waterproofing membrane beneath from foot traffic and Ultra Violet degradation.

As well as offering excellent protection Castile Promenade Tiles are very lightweight meaning that minimal loads will be applied to the structure and, starting at 12mm thick, they can be used in areas where low threshold levels are a problem.

Promenade Tiles can be laid on many surfaces. Please see our surface guide on page 6 for more information or feel free to call and discuss.

CHECKERPLATE



Grey

The "Castile" Checkerplate finish has been available for some years now and is chosen throughout the flat roofing industry when a durable, practical and high slip resistance surface is required.

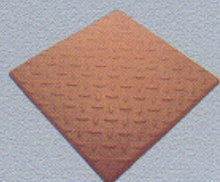
Our unique edge details helps avoid the unsightly steps between tiles when laying on a slightly uneven surface.

Checkerplate Slip Resistance: 52 Wet (Low Potential For Slip) tested in accordance with BS EN 1339 Pendulum Test.

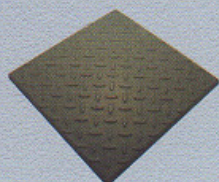
Size: 297 x 297 x 12mm.

Weight: 2.0kg per tile approx.

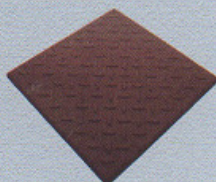
11 tiles per m².



Buff



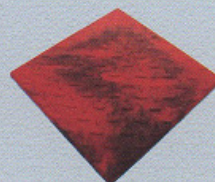
Dark Green



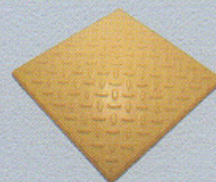
Dark Grey



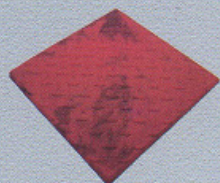
Grey Marbled



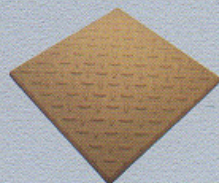
Terracotta Marbled



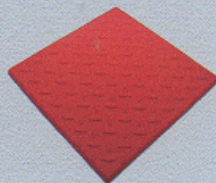
Yellow



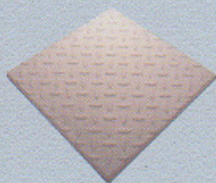
Red Marbled



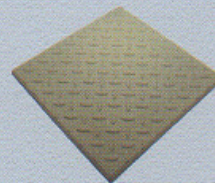
Stone



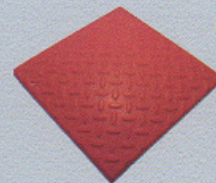
Terracotta



White

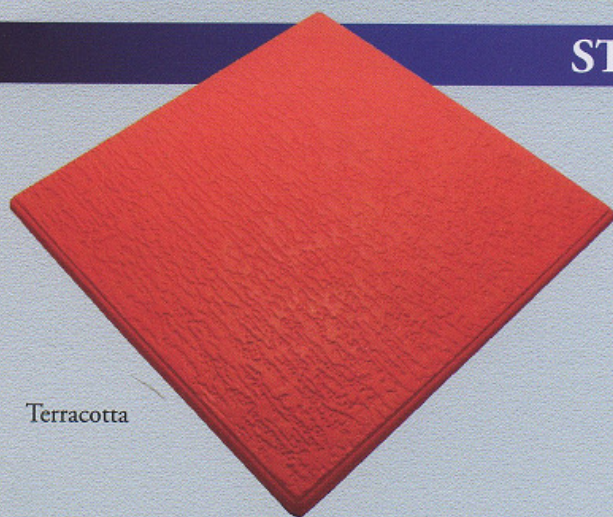


Light Green



Red

STRIATED



Terracotta

Our Striated finish is a firm favourite with many of our customers and is often described as having a "bark" like finish.

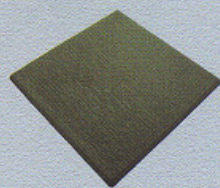
It is the combination of attractive texture, high slip resistance, durability and high strength synonymous with "Castile" Striated tiles that make them highly popular.

The extensive range of colours available gives excellent scope to find just the right colour for your application.

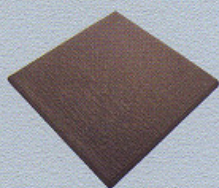
Striated Slip Resistance: 58 Wet (Low Potential For Slip) tested in accordance with BS EN 1339 Pendulum Test.

Size: 297 x 297 x 12mm

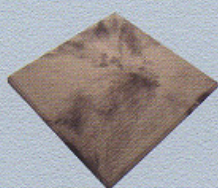
Weight: 2.0kg per tile approx
11 tile per m²



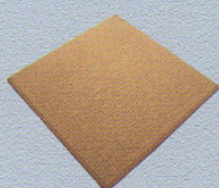
Dark Green



Dark Grey



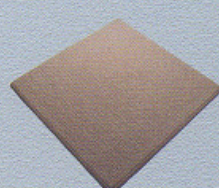
Grey Marbled



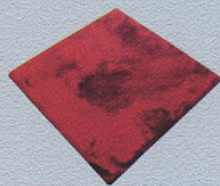
Buff



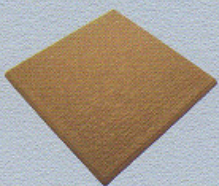
Light Green



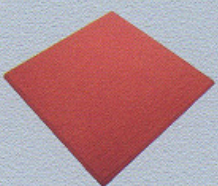
Light Grey



Red Marbled



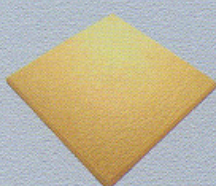
Stone



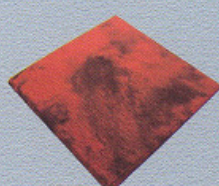
Red



White



Yellow



Terracotta Marbled

IMPERIAL

The Imperial surface finish is the most contemporary in the range and, although this tile looks smooth, it has a very subtle split stone effect which ensures good slip resistance.

Exclusive to the Imperial surface finish are our "aged" colours which are designed to mimic "aged" quarry tiles for a rustic feel but still retaining all the benefits of GRC Promenade Tiles.

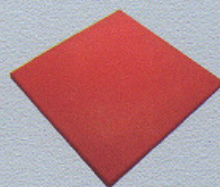
Size: 297 x 297 x 12mm.

Weight: 2.0kg per tile approx.

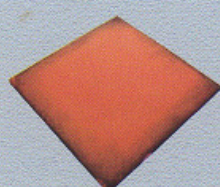
11 tiles per m².



Champagne



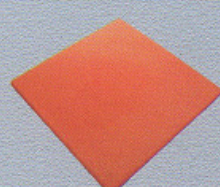
Quarry Red



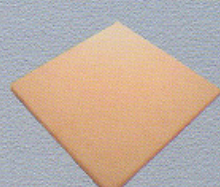
Terracotta Aged



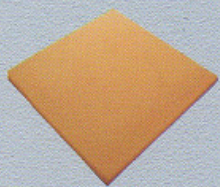
White



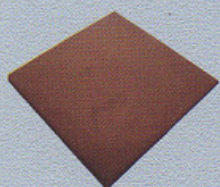
Terracotta



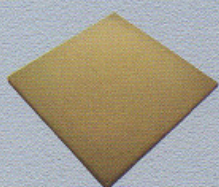
Champagne



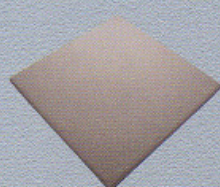
Buff



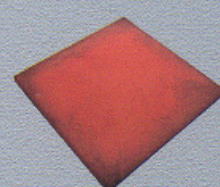
Dark Grey



Green

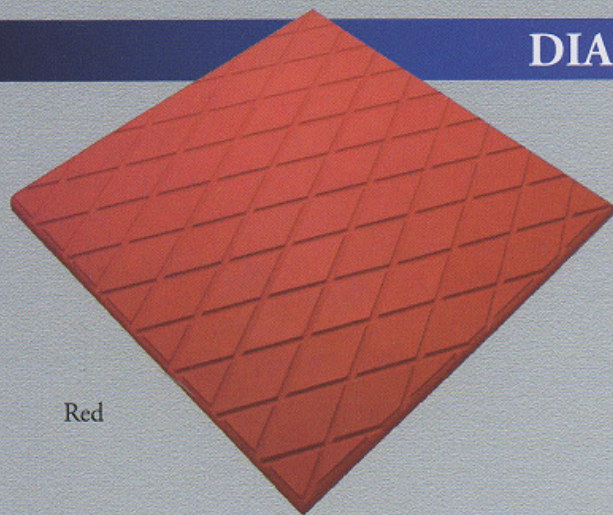


Light Grey



Quarry Red Aged

DIAMOND CUT



Red

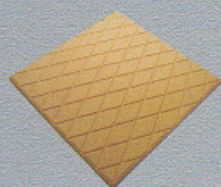
Our Diamond Cut Range of Promenade Tiles are designed to mimic traditional Victorian diamond paving. The cuts in the tile surface help to keep rainwater from the walking surface as well as creating the diamond pattern.

Our unique edge detail helps avoid the unsightly steps between tiles when laying on a slightly uneven surface.

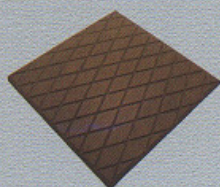
Size: 297 x 297 x 12mm.

Weight: 2.0 kg per tile approx.

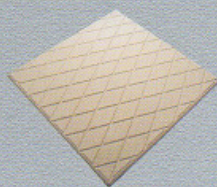
11 tiles per m².



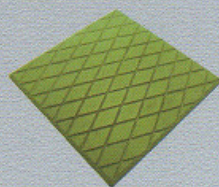
Buff



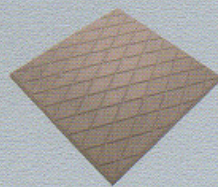
Dark Grey



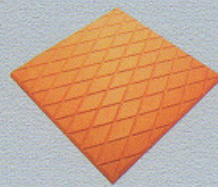
White



Green

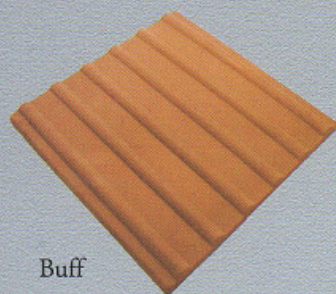


Light Grey



Terracotta

TACTILE



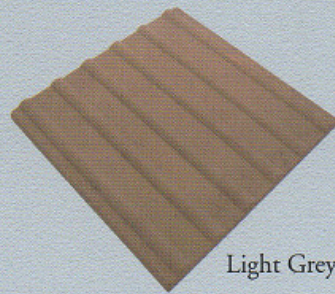
Buff

The Disability Discrimination Act places an obligation on the service providers to ensure that their services to the disabled is amenable and acceptable.

This warning should take the form of Tactile surfaces in places such as at the top and bottom of stairs and steps and at the foot of ramps, etc.

In considering the roofing industry in particular we have recognised that this requirement could have far reaching consequences on flat roofs and balconies, and we have therefore developed a Glass Fibre Reinforced Concrete tile which fits to the 300 x 300 grid pattern of our standard Promenade Tiles.

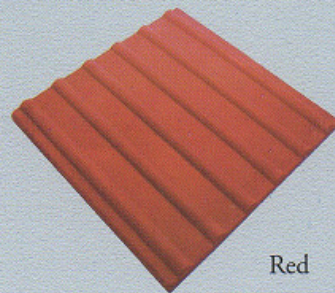
This development will allow you to comply with the requirement for tactile surfaces in areas where promenade tiles are to be fitted.



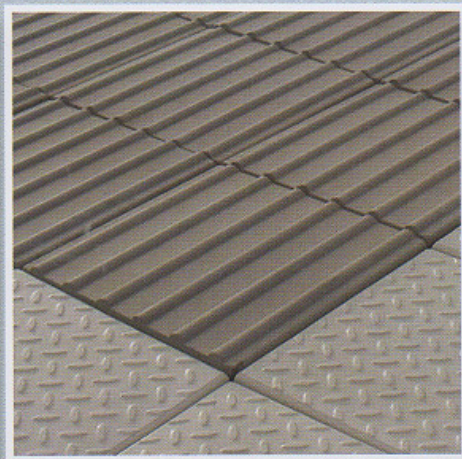
Light Grey



Dark Grey



Red



RIVEN



Slate

The Riven finish is an excellent example of the texture, warmth and practicality of natural stone combining with the durability and strength of Glass Fibre Reinforced Concrete to produce a product which gives the very best attributes of both worlds.

The use of numerous mould finishes means that the repetitive nature of some products is avoided, giving a more natural appearance.

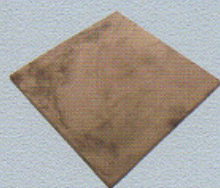
The Riven finish is also available in a variety of sizes allowing different patterns to be created.

Standard Size: 294 x 294 x 14mm.

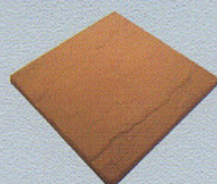
Weight: 2.2kg per tile approx.

Slip resistance: 42 Wet (Low Potential for Slip)

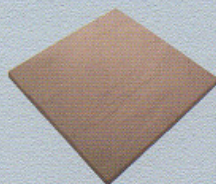
Also Available: 147 x 147; 147 x 294; 294 x 440



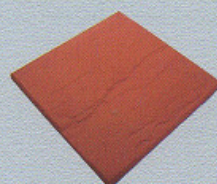
Grey Marbled



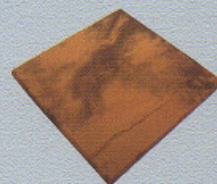
Old Gold



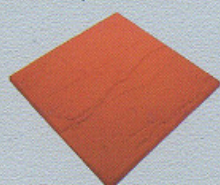
Light Grey



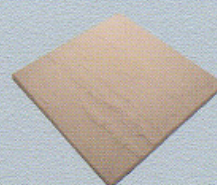
Red Sandstone



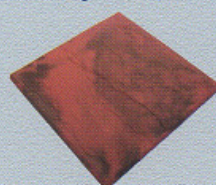
Old Gold Marbled



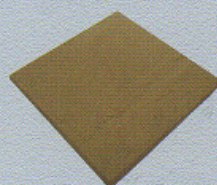
Terracotta



White



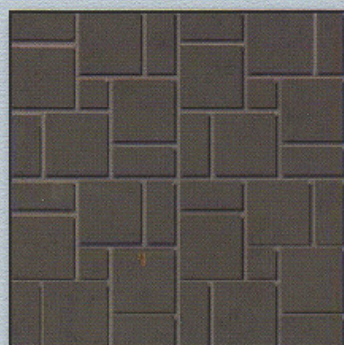
Red Marbled



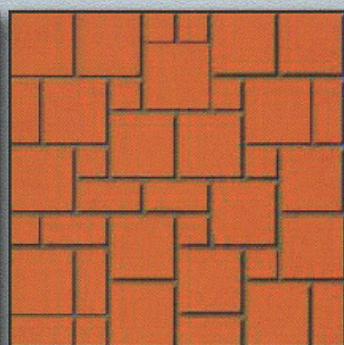
Weathered Stone



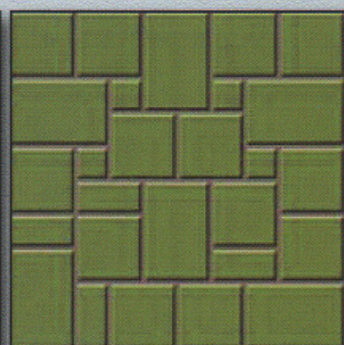
Terracotta Marbled



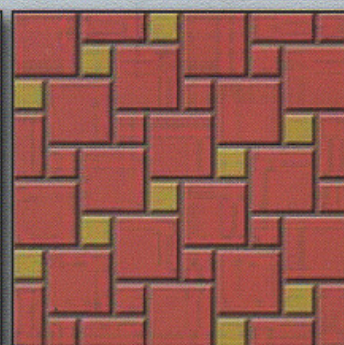
Squares



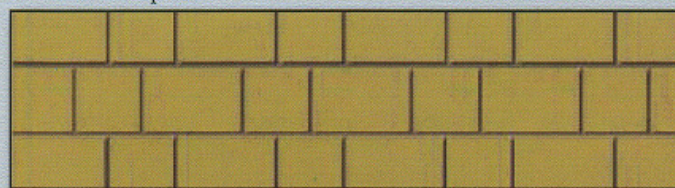
Random 3



Random 4



Mix 1



Strip 1

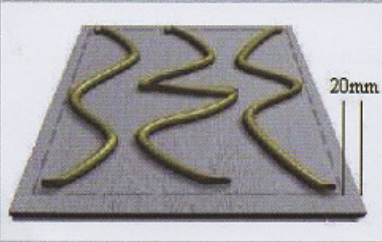


Strip 2

Free layout design service available - please call or email with your dimensions



XP 2265 PU ADHESIVE



Specially designed to adhere Castile Promenade Tiles to bituminous felt roofs, sanded asphalt and almost all other flat roof surfaces. (Please see Suitable Surfaces section or contact us if you are unsure of application).

During curing, the adhesive absorbs moisture from the atmosphere and expands providing a firm support to the tile. This results in an effective and practical fixing method which can be used in damp and humid conditions. When cured the adhesive retains sufficient flexibility to allow for the thermal and structural movement of the tiles and roof.

PU adhesive is supplied in 1 litre bottles with nozzle. One bottle will adhere approximately 50 tiles or 5m². The adhesive is applied by simply cutting the nozzle to get a 3-4mm bead and applying as per the diagram. It is very important that the adhesive is applied as per the instructions.

ACCESSORIES

Promseal

Promseal is a specially formulated Acrylic Resin which can be applied to our promenade tiles when laid. The picture adjacent shows a half sealed tile.

When applied the coating leaves the tiles with a silk finish which is easier to clean and is resistant to most domestic stains, motor oils and foodstuffs and controls algae growth.

Promseal is supplied in 1 litre bottles. One bottle will seal approximately 60 tiles.



Promclean

Promclean is a specially blended cleaner for use with GRC Promenade Tiles.

Promclean helps to remove general dirt, efflorescence and many other stains.

Supplied in 1 litre bottles the cleaner will be sufficient for approximately 80 tiles



Soft Packers

Soft Packers are available for packing under tiles when an uneven surface exists (e.g overlapping felt)

The Soft Packers are self adhesive with release tape on both sides. Made from soft foam rubber they measure 3mm thick x 12mm wide by 25mm long.

Note: When using soft packers you may require more adhesive than indicated.



2mm Long Leg Spacers

Our 2mm long leg spacers are ideal for achieving the correct gap between tiles.

Unlike standard tile spacers they have extra long legs for use with our Promenade Tiles.

Spacers are available in bags of 250, 500 and 1000.

LAYING INSTRUCTIONS

Preparation

Ensure surface to be covered is free from dust, grease and all loose materials.

Where appropriate ensure efficient drainage to area.

Recommended falls minimum 1:80 maximum 1:40.

Inspect existing surface or roof covering and ensure that all necessary remedial works are carried out prior to work commencing.

Mark out area to be tiled allowing for 2mm joints between tiles to accommodate movement, drainage and tolerances.

Laying Tiles

Always work away from tiled areas to avoid trafficking areas which are not fully adhered. Do not stand on recently laid tiles.

Avoid point support of tiles at all times. Ensure that the tile is supported over complete underside.

When cutting tiles ensure that dust created is not allowed to build up on completed areas as staining may occur. Tiles should be cut dry using a diamond tip blade or similar.

Laying Tiles

When applying the PU adhesive it is vital that the instructions are followed. Adhesive should be applied to the back of the tile via three zigzag lines with a 3mm bead of adhesive. Zigzags should start 20mm from the edge of the tile as shown in the diagram.

Any PU adhesive that foams up between the gaps should be left to cure for a minimum 24 hrs and then removed with a sharp blade.

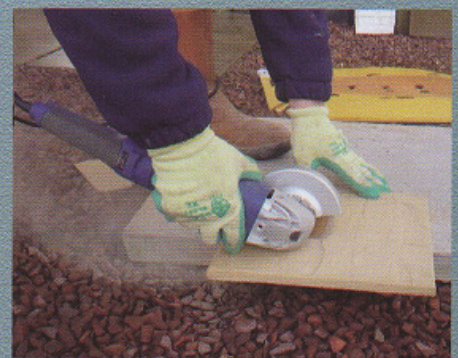
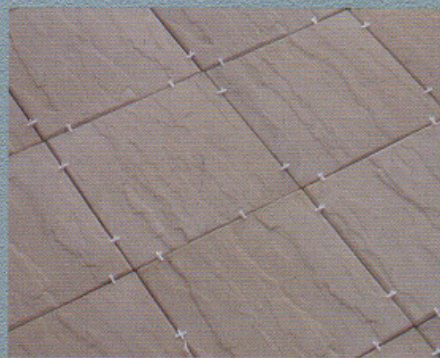
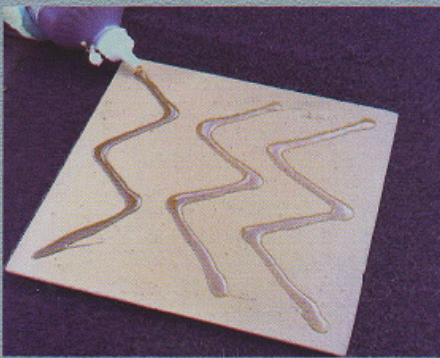
Zigzag lines should then be pointed towards the fall of the balcony/roof where possible to allow the water to flow through gaps between zig zags.

When laying tiles on surface where variations in level exist (e.g. Overlapping Felt) our soft packers can be used to overcome these differences up to 6mm.

Soft Packers should be applied to the back of the tile where required to achieve a level surface. Do not use more than two soft packers on top of each other. Where required apply slightly more PU adhesive. The adhesive will then foam up to support the tile in the required position.

Full instruction for using Soft Packers can be found online.

Adhesive should be allowed 48 hrs to cure before trafficking.



SUITABLE SURFACES

Bituminous Felt

Promenade Tiles can be used on both butt joined and overlapping felt by simply applying the tiles with our XP 2265 PU Adhesive following the instructions.

Any slight undulations or overlaps in the felt can be overcome using our soft packers.

Asphalt

When using Promenade Tiles on Asphalt our XP 2265 PU Adhesive MUST be used as the fixing method. Simply apply the tiles as per the standard instructions. Hot bitumen must NOT be used on asphalt.

Any slight undulations can be overcome using soft packers.

Concrete

When using Promenade Tiles on Concrete XP 2265 PU Adhesive should be used as the fixing method following the instructions.

Any slight undulations can be overcome using soft packers.

Fibre Glass

Promenade Tiles can be adhered to Fibre Glass roof systems using XP 2265 PU Adhesive. It is necessary to ensure that any release vapours have been allowed to dissipate before adhering the tiles. This can be up to 14 days from Fibre Glass being laid. If the surface is very glossy then a light abrasion may be required to ensure best adhesion.

EPDM/Rubber

Promenade Tiles can be fixed to most rubber surfaces without any problems using our PU Adhesive, although some EPDM types may require some surface treatments. For further advice on fixing to rubber please contact us to discuss.

Single Ply

Whilst it is unlikely that any problem will arise from the use of PU Adhesive when using Promenade Tiles on single ply membranes it is necessary to check with the manufacturer that they accept the use of PU Adhesive. If this is not acceptable our Promenade Slab system will provide an acceptable solution. Please call for more information.

Lead

When using Promenade Tiles on Lead it is necessary to ensure that the surface is not excessively oxidised as this will effect adhesion when using our PU Adhesive. If the surface is new then it is unlikely to be the case but with older lead the oxidation can be seen as a whitish dust.

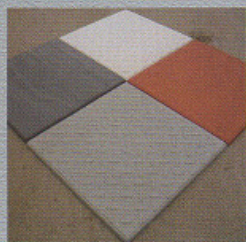
For advice on oxide removal please contact us.

Timber

When using Promenade Tiles on Timber it is recommended that our PU Adhesive is used as the fixing method. Simply apply the tiles as per the instructions.



SAMPLES



As photographs cannot always show the true colour and texture of our products we are always happy to supply samples, including half treated with Promseal, to ensure suitability.

If you would like some samples please contact us via phone or email to arrange delivery. Sample tiles are sent via 24hr courier to keep delivery time to a minimum.

Samples are free of charge for UK Mainland for the first order.



Hot Bitumen must not be used as the fixing medium on asphalt substrates. It can be used on felt roofs but care must be taken with weather conditions and the application of bitumen to ensure that the whole of the tile surface is fully bonded.

Cold bitumen should only be used to adhere tiles with the express approval of the manufacturer. Solvents contained in some cold bitumen adhesives can damage felt and asphalt.

Due to the high cement content of Castile Promenade Tiles there is a possibility that efflorescence or staining may appear on the tiles if water has been allowed into the stack but evaporation has been restricted. The strength and other properties of the tiles will not be affected.

Promenade Tiles are manufactured from naturally occurring materials and are therefore liable to colour differences caused through variation in the raw materials and differential drying conditions. These variations are beyond the control of the manufacturer. Promenade Tiles displaying unacceptable degree of variation should not be laid and the advice of the manufacturer should be sought. No responsibility will be accepted for the consequences of variation in tile colour.

Promenade Tiles are stacked on pallets and shrink wrapped soon after manufacture to provide optimum curing conditions. As a result they may not display their true colour until they have been exposed to weathering and sunlight.

Promenade Tiles are not suitable for use on paving support pads. If you require a product for use on paving support pads you must use

our Promenade Slabs. Promenade Slabs are manufactured to cope with the stresses and strains of being supported only at the corners whereas Promenade Tiles are designed to be adhered. Please call for more information.

Care should be taken to allow for any variation in shade and for manufacturing tolerances in size and thickness when laying tiles.

Promenade Tiles are supplied from our works on wooden pallets and are covered with plastic shrink-wrap bags. Pallets must not be stored more than two high and point loading must be avoided or damage to tiles will occur. Pallets of tiles must be protected and stored in dry conditions or efflorescence, discolouration and staining may result.

Do not allow dirt or contaminants to build up in the gaps between tiles as this can cause staining. If contamination of tiles is likely to occur it may be advisable to seal with Promseal when laid. Acid based cleaners must not be used on tiles.

This information and any recommendations or suggestions contained herein are given in good faith without warranty or guarantee as conditions of use are outwith our control. Product development is continuous and tiles are subject to change without notice. Please ensure that our products will be suitable for use by requesting samples for your evaluation relating to colour and working conditions.

All tiles are sold in accordance with our terms and conditions of sale which are available on request.

Castle Composites Ltd. are pleased to Guarantee our Promenade Tiles against manufacturing fault for a period of 10 years from date of supply. Full terms and conditions available on request.

SUPPLIED BY:

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Composites
Limited**

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