



Castleflex Rubber Tiles

Castleflex Rubber Promenade Tiles

Castleflex Rubber Promenade Tiles are manufactured from recycled rubber granulate. Installation is made simple with the integrated connector pins meaning there is little or no need for adhesive. Drainage channels on the underside of the tile ensure that water is removed quickly whilst maintaining sufficient load bearing capacity for foot traffic and garden furniture. If in the future the area needs to be extended or a tile needs to be replaced this can be done with ease due to the installation method. Castleflex Rubber Promenade Tiles also have the added benefit of being soft therefore very safe for children and the elderly.



Suitable Surfaces

- Bituminous Felt
- Timber
- Asphalt (with protection board)
- Lead
- EPDM / Rubber
- Single Ply Membranes
- Concrete
- Fibre Glass

- Drainage channels on underside for quick water removal and good weight distribution
- Simple Installation with four integrated connector pins.
- Long Life (Even at below freezing temperatures).
- Reduced danger of injury due to the soft nature of the tiles.
- Noise Deadening and Thermal Insulation.
- Recycled environmentally friendly product.
- Comfortable and safe to walk on.
- Reduced on site labour and equipment.

Dimensions: Length: 500mm; Width: 500mm; Thickness: 30mm

Weight: 20.0 kg per m2 approx; 5.0 kg per tile approx

Composition: Recycled PU bound rubber granulate in a range of colours.

Fire Classification: Efl as per EN 13501-1 & Broof(t1) as per EN13501-1

Insulation Value: Rd 0,15 EN13165; U 3,13 EN6946

Slip Resistance: Dry: 102 Wet: 62 (Low Potential For Slip) EN 1339 Pendulum Test

Safety: 30mm thick = Critical fall height 1metre (Thicker tiles available where greater fall height required) Complies with Safety Standard EN1177

Smoke Classification: S2

Density: 800kg per m3

Water Permeability: 565mm per hour EN 12616



Drainage channels designed to facilitate water flow when laid in brick bond formation.





Castleflex Technical Information

Before laying tiles please ensure that the supporting surface is in good condition, can drain water properly and is compatible with rubber tiles.

We recommend that the tiles are laid in a brick bond formation to ensure good interlocking between tiles. However they can be laid in standard squares where required.

Begin laying the tiles in a corner of the area to be covered. Use the interlocking pins to lock the tiles together. When the first row has been laid check for alignment before proceeding.

Castleflex Rubber Promenade Tiles can be cut easily using a low speed coarse toothed jigsaw, handsaw or craft knife. To ensure straight lines use a straight edge down the section that needs to be cut.

To achieve improved stability we recommend adhering the first and last row of the layout using Castle XP - 2435 PU Adhesive where no edge restraint exists.

Castle XP 2435 adhesive is available in 1 litre bottles with nozzle for application. Adhesive should be applied to the tile taking care not to block the drainage channels. Adhesive should be allowed 24hrs to cure before trafficking.

Loose dirt, dust, foods and other materials can be removed using either a heavy duty vacuum cleaner, soft brush and diluted liquid detergent or pressure washer.

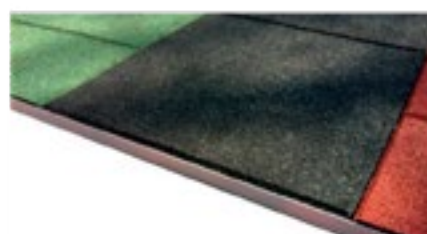
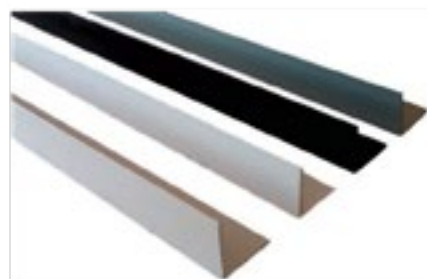
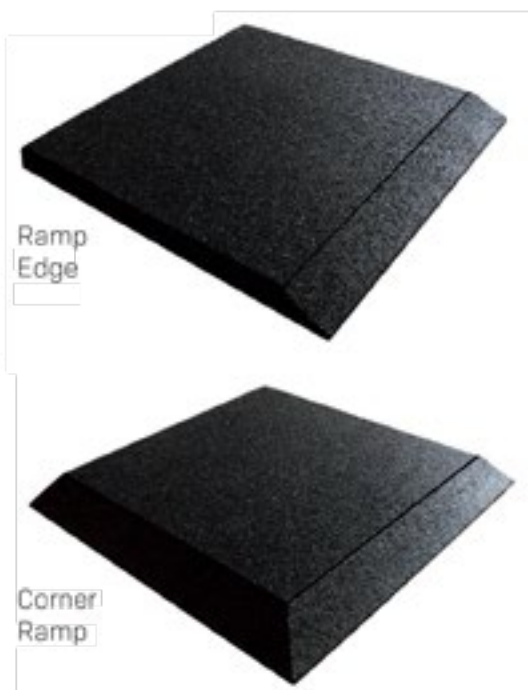
To clean with brush and detergent simply brush the surface with warm water and rinse thoroughly. When using a high pressure washer do not allow the nozzle to get closer than 40cm to the tile. Dirt blaster nozzles should also be avoided. When using a vacuum cleaner please ensure the mechanical brush is soft enough to avoid damage to the tiles.

Due to the recycled nature of the products colour may vary slightly between batches and can wear in areas of high traffic. SBR rubber tiles contain carbon that may leach in certain areas.

Castleflex Ramp Edge Tiles & Trim

Ramp edge tiles are available for applications where a ramped access is required to the layout from adjacent walkways or stairs. Available in 500 x 500mm in all six colours. Ramp edge tiles are also supplied with interlocking pins.

A 25 x 25mm plastic edge trim is available for installation with our rubber tile range. Our edge trim helps prevent debris migrating under the tiles and improves the appearance of visible edges. Available in White, Silver, Grey and Black in 1 metre lengths. Installed by simply sliding under the tiles and bonding with adhesive.

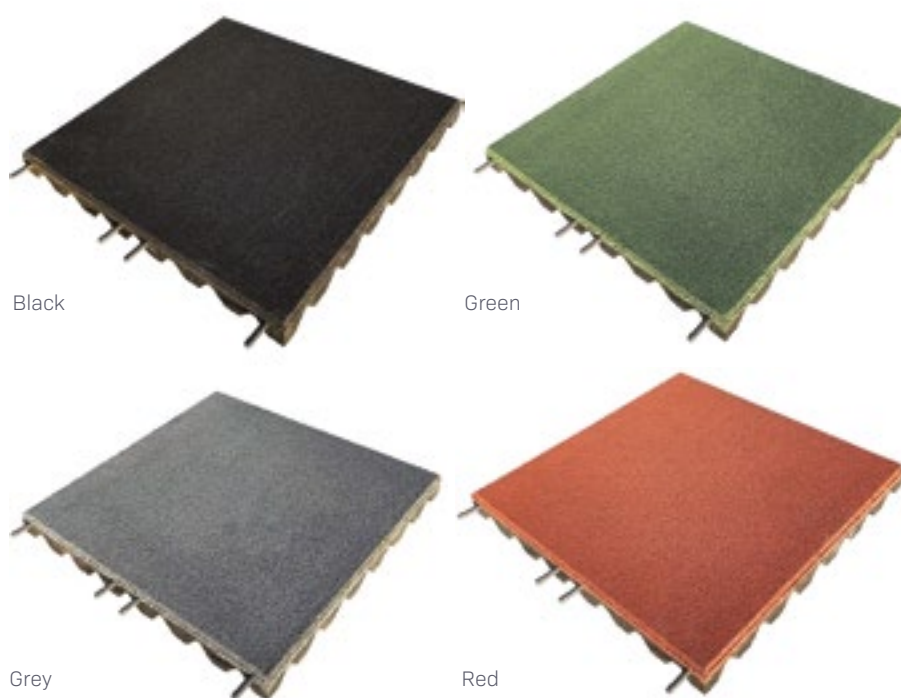


Castleflex EPDM Coated Rubber Tiles

Castleflex EPDM coated rubber tiles are a perfect upgrade on standard Castleflex tiles where Reach compliance is required.

Manufactured from SBR rubber the top layer of colour is coated with EPDM allowing them to be Reach compliant and have increased fire and smoke resistance.

As the tiles are EPDM coated they offer significant savings over our EPDM granulate tiles. However our full EPDM range does have increased choice of colour.



Coated EPDM tile

Material composition: black SBR granulate bound with a PU binding agent and a top layer of approximately 5 mm coated EPDM.

Size: 250 x 500 mm / 500 x 500 mm / 1000 x 1000 mm (1000 x 1000 mm up to 65 mm thickness)

Thickness: 25, 30, 40, 45, 50, 65, 80 and 100 mm

Colours: Black, Red, Green, Grey

Density: 800 kg/m³

Fire resistance: Cfl to EN 13501

Smoke resistance: S1

TÜV: Dflect Coated EPDM tiles are TÜV certified. They meet the Attractions and Playground Apparatus Act EN1177

Size tolerance: width 2% and thickness 5%

Colourfastness: the product is not colourfast and the colour may change due to influences of the weather and walking on the tiles

Quicklime/cement veil: influences of the weather and the quicklime/cement veiling of the surrounding objects could cause a white efflorescence on the tiles and mats

Guarantee: 3 year guarantee for wear-resistance, with the exception of tiles that are used intensively. The guarantee does not apply to colour

Recycling: products are 100% recyclable

Water permeability: 325 mm per hour EN 12616

Insulation value: Rd 0,15 EN13165

U 3,13 EN 6946



Castleflex EPDM Rubber Tiles



Whilst Castleflex tiles are ideal for use on flat roofs and balconies for those who would like something extra special we have the Castleflex EPDM range.

Castleflex EPDM are also 500 x 500 x 30mm (interlocking) with the top surface being manufactured from virgin rubber. As no recycled rubber is used in the top surface of the EPDM range we are able to offer a wider range of colours including our mixed colour options. The EPDM tile has a similar drainage channel design to the Castleflex Tiles.

As the top surface contains only virgin rubber a high quality surface finish is achieved which is long lasting, more UV stable and has better flammability and smoke classification performance.

EPDM is an abbreviation of Ethylene Propylene Diene Monomer. Our EPDM tiles have a top layer as per your colour choice.

Dimensions: Length: 500mm; Width: 500mm; Thickness: 30mm

Weight: 20.0 kg per m² approx; 5.0 kg per tile approx

Composition: PU bound EPDM rubber granulate in a range of colours.

Fire Classification: Cfl based on EN 13501

Insulation Value: Rd 0,15 EN13165; U 3,13 EN6946 Slip

Resistance: Dry: 102 Wet: 62
(Low Potential For Slip)

EN 1339 Pendulum Test

Safety: 30mm thick = Critical fall height 1metre
(Thicker tiles available where greater fall height required)
Complies with Safety Standard EN1177

Smoke Classification: S1

Density: 800kg per m³

Water Permeability: 325mm per hour EN 12616

If colour required is not above please contact us as we can have custom EPDM colours made.