

Ayton Playsafe® Safety Surfacing



Description

Ayton Playsafe® is a wet-pour rubber surfacing system specifically designed for safety surfacing and other applications where an impact-absorbing surface is required. The system has been fully tested and accredited to both BS 7188 and the European standard for impact-absorbing surfacing BS EN 1177, and is suitable for installation under play equipment with critical fall heights between 0.6m and 3.0m. The **Ayton Playsafe®** system provides a durable and seamless surface and is available in a wide range of colours, which can be used to create attractive surface finishes and bespoke designs.

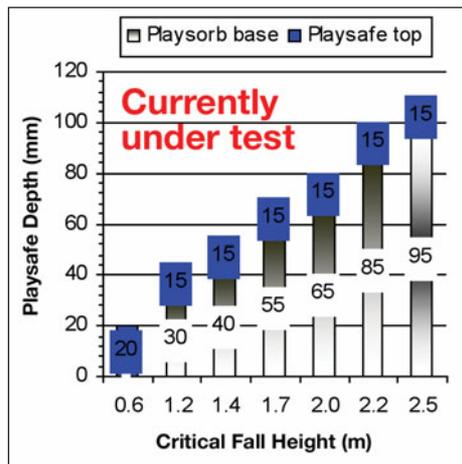
Ayton Playsafe® is a cost effective and environmentally-friendly two layer system comprising Playsafe top, a 15-20mm surface layer of coloured EPDM rubber crumb and Playsorb base, a 25-125 mm base layer of recycled rubber shred. Both rubber layers are specially graded and bound together with a flexible polyurethane resin to produce a durable, impact absorbing surface. The thickness of Playsorb base is varied according to the required critical fall height with at least 15mm of Playsafe top to create the coloured surface. For critical fall heights of less than 0.6m a 20mm layer of Playsafe top only is required on a structural base.

Ayton Playsafe® can be readily installed on both new and existing surfaces and can be opened for use typically within 24 hours of application. The surface is permeable, so helping to avoid standing water and has no joints, unlike tile systems. Once laid **Ayton Playsafe®** requires only minimal maintenance compared with loose fill material e.g. sand and bark chippings and will retain its critical fall height properties.

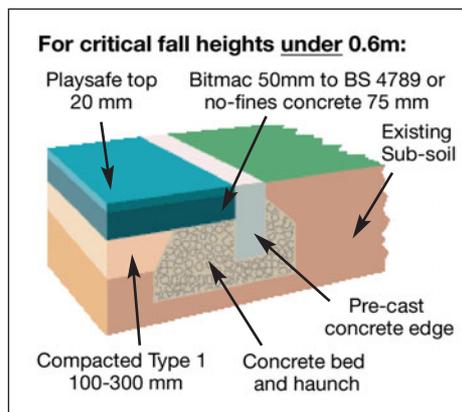
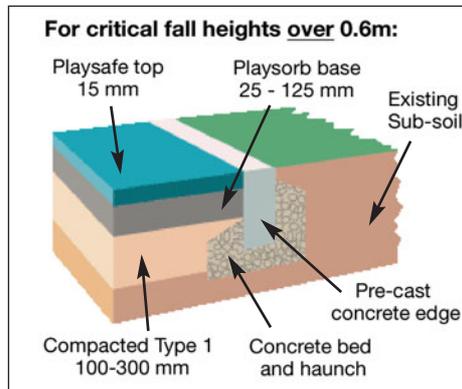
Ayton Playsafe® is part of the Ayton Specialist Surfacing Products range of surfacing materials. Ayton Products have more than 70 years experience in the formulating, manufacture and installation of bituminous and resin bound surfacing, which has been used to develop the **Ayton Playsafe®** system.

Ayton Playsafe® is certified and approved to BS EN 1177: 1998 for the range of critical fall heights as indicated below:

Critical Fall Heights



Typical Construction



Typical Applications

Ayton Playsafe® can be used in a wide range of safety surfacing and general paving applications where an impact-absorbing surface is required including:

Playgrounds



Play areas



Stables



Pedestrian areas

Footpaths

Driveways

Colours

Ayton Playsafe® is available in a wide range of standard colours including:



Black, jazz and blends of the above are also available as standard. Bespoke colours can also be supplied subjected to rubber availability.

Base Preparation

New Construction

For critical fall heights above 0.6m Ayton Playsafe® can be laid directly onto a compacted stone (MOT Type 1) foundation layer of 100-300mm thickness without the need for a structural layer. For critical fall heights below 0.6m or where a basic rubber surfacing is required a porous structural sub-base is required, typically open-textured bitumen macadam to BS 4987 to 50mm compacted thickness or no fines concrete to 75mm thickness.

Existing Surfaces

Ayton Playsafe® can be laid onto existing blacktop or concrete surfaces provided the base is solid and in good condition with no cracking. Please note the finished surface will only drain freely if the existing base is porous and we recommend that

adequate drainage is always provided where the base is impervious. Where play equipment is already in place, the existing base may need to be lowered by the depth of Playsafe required to maintain ground clearance.

Edging

In general, Ayton Playsafe® should be retained by a suitable edging. Typically pre-cast concrete edging well haunched and bedded in concrete is recommended although pressure-treated timber, block paving or engineering bricks may also be used. Edgings should be set above the level of the base by the thickness of Playsafe required as defined by the critical fall height.

Where Ayton Playsafe® is installed on part of an existing surface, a suitable ramped edge can also be created through cutting a keyway around the perimeter of the base, so avoiding a trip hazard.

Installation

Ayton Playsafe® is supplied as a 1 component PU resin either in drums or pre-weighed containers with rubber granules in 25kgs bags ready for use on site. The base must be clean and dry with no standing water prior to application.

Priming

Prior to application of Ayton Playsafe® the base should be primed with Ayton Playsafe® 1 part PU primer to help promote adhesion and stabilise the surface where a compacted Type 1 base is being used. The primer is supplied in 25kg tubs and should be applied by roller or other suitable means at a rate of 2-3 Kg / m² depending on the substrate. Ayton Playsafe® primer can also be used as a key coat between the Playsorb base and Playsafe top layers if required.

Installation

Rubber and resin are mixed together in specified quantities in a forced action mixer or similar for a minimum of 2 mins so that all granules are thoroughly coated. The mixed material is then raked out and compacted to the correct depth with a tamping bar / roller and hand floated as required to a smooth and even finish.

Allow the Playsorb base layer to cure before application of Playsafe top layer. Please see Technical and Installation Guide for full details.

Storage and Cleaning

All resins should be stored in cool dry conditions, between 10 to 20°C and out of direct sunlight. Adequate ventilation of

the storage area should also be provided. Keep containers tightly closed when not in use. Clean all equipment immediately after use with Ayton Playsafe® cleaner.

Quality Assurance

Ayton Playsafe® is certified to both the British Standard BS 7188: 1996 (RAPRA) and the European standard, BS EN 1177: 1998 for impact absorbing safety surfacing (The Centre for Sports Technology). Ayton Playsafe® is supplied within ISO 9001 quality, ISO14001 environmental and ISO18001 safety management system certified by LRQA.

Further Information

The following information sheets are also available for Ayton Playsafe®:

Physical Properties Data Sheet
Ayton Playsafe® Test Certificates
Technical and Installation Guide

Other Ayton Products

Ayton Products produce and supply a full range of Specialist Surfacing Products including:

Clearmac®

Proprietary clear resin bound paving using natural aggregates fully encapsulated in a 15-20mm depth wearing course. Provides a visually stunning and highly durable paving solution either by itself or in combination with traditional block paving, Yorkstone, mosaics and granite setts. Available for supply and lay only via Ayton Products licensed contractors.

Tripave®

Base upon rapid cure methyl methacrylate (MMA) technology, a water impermeable, highly durable fully bound surfacing with variable texture and colour finishes. Ideally suited for technical and time critical applications.

Stonebond®

Polyurethane resin surface dressing using bonded aggregates to create texture, hard wearing and attractive surfaces.

Ayton Playsafe®

Coloured EPDM / recycled rubber resin bound, impact absorbing, safety surfacing for applications including playgrounds, play areas and stables.

Ayton Products also produce a full range of Bitumen & Construction Products and Aggregates & Asphalts. Full details available on request.