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SURFACING

THE STANDARD FOR SPECIALIST SURFACING







Ref B26/01

SPRING BACK

SAFETY SURFACING

Wet Pour Playground System

pmpsurfacing.co.uk

Spring-Back Safety Surfacing

Spring-Back is a specialist safety surfacing system developed by PMP Surfacing. Fully compliant with BS EN 1177, the system meets all Critical Fall Height (CFH) requirements necessary for modern play area construction.

Available in an extensive selection of bright, vibrant colours, Spring-Back is ideal for play areas but also for any environment that requires a visually engaging and hard-wearing durable finish.





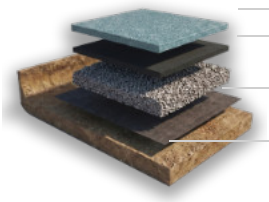
Wet Pour Graphics

Wet Pour Graphics are an excellent way to enhance play spaces, bringing colour, creativity and themed design elements ensuring a high quality, long-lasting finish with a strong visual impact. The additional attention to detail results in a high-quality, durable finish, making it a valuable feature.

Build Up Options

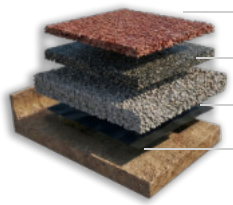
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Typical Build Up - MOT Type 1



Layer One 15mm EPDM coloured rubber wearing layer.
Layer Two SBR rubber shock-pad base layer installed at thickness between 15mm and 115mm, depending on the required critical fall height for the play equipment.
Layer Three Minimum 100mm compacted MOT Type 1 sub-base (non recycled aggregate), laid and graded to provide a stable foundation.
Layer Four Geotextile membrane installed beneath the sub-base to separate the formation from the aggregate and assist with long-term stability.

Macadam Base



Layer One Wet Pour Safety Surfacing installed to a depth ranging from 20mm to 130mm with the final thickness determined by the Critical Fall Height Requirements.
Layer Two 50mm porous asphalt binder course (AC10 or AC14) providing a stable and free-draining base for the safety surface
Layer Three Mot Type 1 granular sub-base installed at depths between 100mm and 300mm subject to site conditions and project requirements.
Layer Four Geotextile membrane laid beneath the sub-base to help prevent contamination from the underlying ground and improve long-term performance.

Mound



Layer One 15mm minimum EPDM rubber wearing layer forming the finished surface.
Layer Two 25mm SBR rubber base layer installed beneath the wearing course to provide impact absorption and stability.
Layer Three Mound formation capped with concrete to achieve the required shape and structural integrity.
Layer Four A minimum 100mm layer of MOT Type 1 sub-base (20mm to dust, no recycled), installed, levelled and mechanically compacted to the specified tolerances.

Wet Pour Safety Surfacing

Spring-Back is a high-performance, impact-absorbing safety surface made from granulated rubber crumb, making it ideal for playgrounds, parks, schools, nurseries, and recreational areas.

Installed as a two-layer system, the shock-absorbing base layer cushions falls, while the durable top layer is available in vibrant colours, with optional graphics and games. The result is a long-lasting, low-maintenance surface that helps keep children safe and enhances play spaces.

Premium Safety: Certified Critical Fall Height protection up to 3 metres.

Seamless Design: A continuous surface with no joins, significantly reducing trip hazards.

All Weather: Highly permeable and fast-drying to prevent standing water.

Warranties: Built to last and backed by a 5 year warranty.

Tailored Design Options: Available in a wide range of colours, graphics and bespoke designs.



School Playgrounds

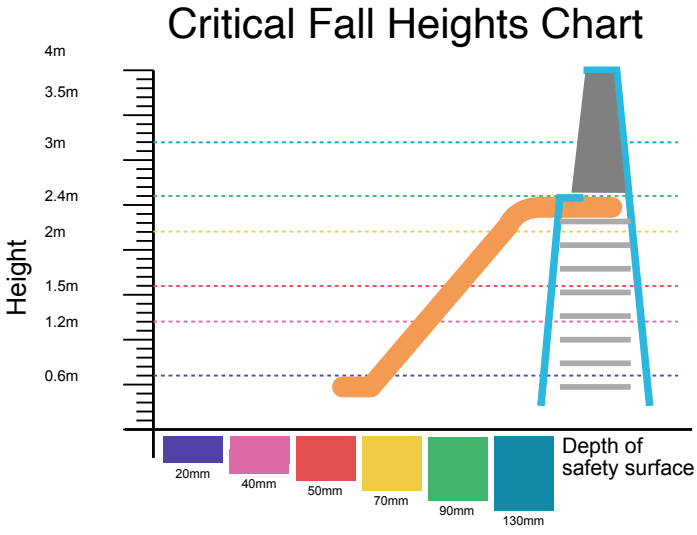
Public Play Areas

Care & Nursing Homes

Swimming Pool Perimeters

Spring Back Benefits

Critical Fall Height (CFH) defines the maximum safe fall height that a Wet Pour Surface can protect against. Matching the CFH rating to your playground equipment is essential to reduce the risk of serious injury. A correctly specified surface absorbs impact effectively, helping protect children while ensuring compliance with recognised playground safety standards **BS EN 1177** and **BS 7188.**



High Safety Standards - Fully compliant with UK Critical Fall Height (CFH) requirements, ensuring reliable impact protection.

Durable Performance - designed to withstand heavy use and varying weather conditions without compromising structural integrity.

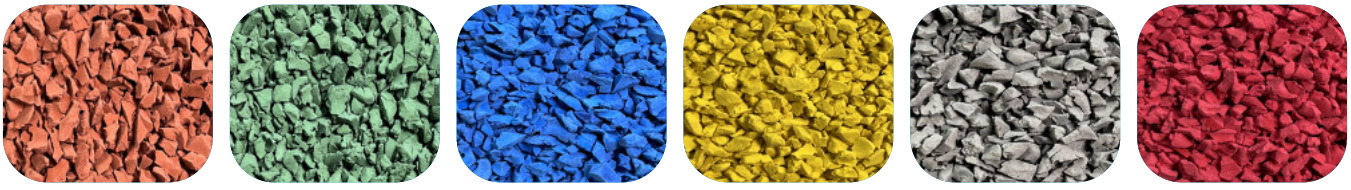
Consistent Shock Absorption - engineered for uniform performance across the entire surface area.

Low Maintenance - Long-lasting materials reduce the need for frequent repairs or upkeep.

Bespoke Design Options - compatible with a wide range of colours and finishes to suit any play environment.

Colour Range

Choose From 18 Colours | Fleck and Colour Blends Also Available



Red | Dark Green | Dark Blue | Bright Yellow | Dark Grey | Bright Red



Light Green | Light Blue | Gold Yellow | Light Grey | Brown | Orange



Purple | Pink | Beige | Ivory | White | Black

Health & Safety

The system is non-hazardous, but correct PPE must be used. The use of isocyanates for commercial projects requires professional training. Information on this and courses can be found on the individual component's material safety data sheets.

Storage

Please ensure all materials are kept covered and dry when on site awaiting installation. When stored for long periods keep inside in dry conditions and preferably out of direct sunlight.

Application Conditions & Parameters

The system is suitable for the following sub-bases: Macadam, Concrete, Compacted MOT Stone (Type 1 or 3)

Ensure adequate drainage is provided when installing over a non-porous sub-base. The system consists of a 2–6mm SBR rubber impact-absorbing base layer, installed at a thickness of 20–115mm depending on the required critical fall height. Use 10% polyurethane binder by weight of SBR and mix in a forced action mixer for 3–4 minutes until all granules are fully coated. Spread evenly with a screed bar and lightly finish with a trowel without compacting, as over-compaction reduces impact absorption. Once cured, prefabricated graphics may be installed using a suitable primer.

Apply a minimum 15mm EPDM wearing course or 20mm if used as a single layer, using 20% binder by weight, increasing to 25% when using recycled black EPDM. Compact with a steel roller using Supersol release agent for a smooth finish. Install only in dry conditions. Typical cure time is 4-6 hours at 25°C and 50% relative humidity. Use IC-CAT-SF catalyst during colder weather to reduce curing times.

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