SYSTEM - Data sheet

pmp SURFACING
THE STANDARD FOR SPECIALIST SURFACING

SPRING BACK

SPRING BACK is a durable, flexible and impact absorbing Safety Surfacing System. The system utilises a specially formulated range of Polyurethane binders and EPDM granules to perform under the most extreme climatic conditions around the world.

Applications

SPRING BACK is a very versatile system that can be used in a wide range of applications from playgrounds to pool surrounds, with a extensive colour pallete that allows for creative design. Impact absorption and impermeability make it ideal for most recreation surfaces for both domestic and commercial use and the system is already widely used in theme parks, water parks, care homes, playgrounds, pool surrounds, golf courses, holiday parks, cycle paths and walkways.

Technical Specification and Certification

The table below illustrates the system's specification and relevant certifications. Surface variables will affect the values given, so pay particular attention to the sub-bases used and ensure the correct mixing ratios are followed. Take note of the application conditions and parameters.

TECHNICAL DATA

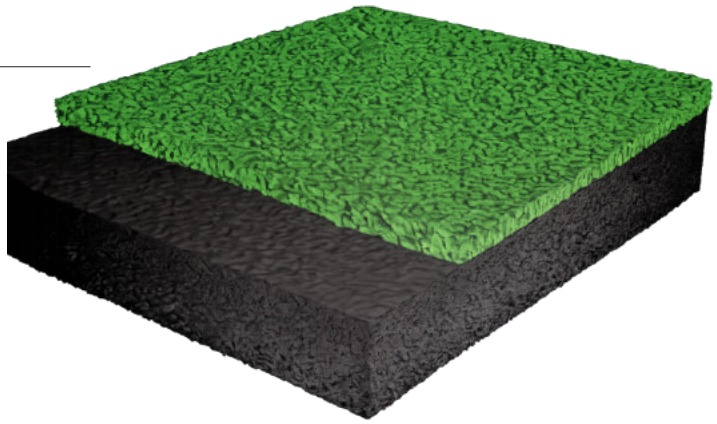
SPECIFICATION	Total Surface Thickness (EPDM 15mm Std)	BSEN 1177 Critical Fall Height Value CFH (m)	Performance BS 7188	Fire Classification EN13501-1: 2018	Permeability EN 12616 : 2022	Toxicity EN71-3:2019 +A1: 2021
	40	1.37	Pass*	Class D_{fl}*	13,693mm	Result TBA**
	50	1.53	Pass*	Class D_{fl}*	13,693mm	Result TBA**
	60	1.74	Pass*	Class D_{fl}*	13,693mm	Result TBA**
	70	1.92	Pass*	Class D_{fl}*	13,693mm	Result TBA**
	90	2.25	Pass*	Class D_{fl}*	13,693mm	Result TBA**
	110	2.75	Pass*	Class D_{fl}*	13,693mm	Result TBA**
	130	2.88	Pass*	Class D_{fl}*	13,693mm	Result TBA**
	The data provided is only valid when using the full specified PMP Surfacing system.					

* Individual independent laboratory test reports available upon request.

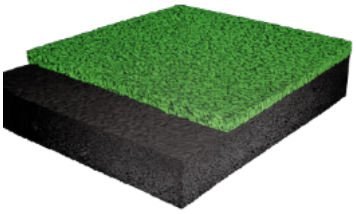
** Samples submitted for testing, awaiting the values from the test house. The values will be confirmed and updated once received.

Coloured EPDM top surface
15mm minimum depth
as a single layer

Black SUB BASE layer
Depth Variable
Minimum 20mm



SPRING BACK - Application



Application Conditions and Parameters

The system is suitable for the following subbases:

Macadam, Concrete, Compacted MOT Stone (Type 1 of 3)

When using nonporous sub-base please ensure adequate drainage is in place prior to installation.

The system comprises of a 2-6mm SBR rubber impact absorbing base layer. The thickness ranging between 20mm to 115mm depending on the fall height required. Typically, the binder ratio to SBR rubber for the system is 10% by weight of SBR rubber.

The Polyurethane Binder must be accurately measured and thoroughly mixed in a force action mixer for a minimum of 3-4 minutes before application to ensure all the granules are coated in the binder. The mixture can then be emptied on to the sub-base and a screed bar should be used to level the screed. We recommend the surface is only lightly closed up with a trowel and is not compacted as this will significantly reduce the impact absorption and dramatically reduce the critical fall height.

Once the base layer has cured sufficiently, prefabricated graphics can be applied at this point with the use of a primer. When installing the wearing EPDM Course please ensure a minimum depth of 15mm is achieved or 20mm if the EPDM is used as a single layer. In both instances a binder ratio of 20% by weight of granules is to be used, if incorporating a recycled back EPDM then a minimum of 25% binder must be used.

A screed bar should be used to achieve good distribution of material over the base layer which can be finished by hand trowel and ideally a steel roller to ensure the surfaces is both compacted and has minimal visible trowel marks.

To ensure that both the roller and trowel work as efficiently as possible with less resistance, we recommend the use of Supersol: a special formulated release agent that will lubricate tools and act as a barrier between the tool and surfaces. Please ensure that it is applied in a consistent manner in order to avoid aesthetic issues in the finished surface.

See next page for the full SPRING BACK colour range.

Polyurethane binders are moisture curing so it is advised to avoid installing in wet and rainy conditions. For specific cure time information, please refer to the individual data sheets for the binder you are using. As a general rule, our products should have a 4-6 hour cure time based on 25°C and 50°C relative humidity.A lower temperature will extend the cure time and a higher temperature will shorten the cure time. In the winter months we advise the use of our specially formulated catalyst (IC-CAT-SF). This will significantly reduce the core time when installing at lower temperatures. Details on dosage and how to use this are on the catalyst data sheet.

Cleaning and Maintenance

We advise that a regular cleaning program is implanted to keep the surface looking its best. Inspect the surface for signs of damage and avoid high pressure washing, mains pressure water is recommended. A stiff brush and a PH neutral detergent should be used for regular cleaning.

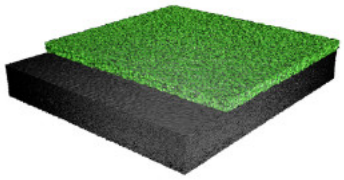
Leaves, flowers, pine needles and other organic debris should not be allowed to remain on the surface for any length of time. These degrade rapidly and can block the pores of the surface. This in turn promotes a humid beading environment for algae, moss and weeds.

Most stains are easily removed with a warm water and PH neutral detergent, such as washing-up liquid. Heavy oil marks can mostly be removed with a cloth and methylated spirits, but as the material is porous it may not be possible to remove stains completely.

In periods of snow and ice remove the snow with a brush or rubber scraper. Metal or hard plastics can damage the surfaces. Chemical dicers and salt should not be used.



SPRING BACK - Colour Range



IC - Red

IC - Dark Green

IC - Dark Blue

IC - Bright Yellow

IC - Dark Grey

IC - Bright Red

IC - Light Green

IC - Light Blue

IC - Gold Yellow

IC - Light Grey

IC - Brown

IC - Orange

IC - Purple

IC - Pink

IC - Beige

IC - Ivory

IC - White

IC - Black

Health and Safety

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

Packaging

All Granular materials (SBR & EPDM) are supplied in 25kg plastic bags. Polyurethane binder are available in 1090kg industrial bulk containers, 220kg steel drums and 25kg plastic containers.

Used Packaging

Please refer to local authority guidelines in regards to the recycling or disposal of used containers.

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.

Colours

PMP Surfacing 24 standard EPDM colours are available.

Contact

For technical assistance or to request more information contact PMP Surfacing on: **01226 447292**



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