



Wet Pour Rubber Crumb Laying Guidance

MonsterMulch EPDM and SBR Rubber Crumb have been developed to work with our PU Binder and laid as a continuous wet pour surface.

Depth of Rubber for potential fall heights (to comply with BS EN 1177)

40mm 1.2 metres

50mm 1.5 metres

80mm 2.0 metres

Ground Preparation

It is important that the area is dry, well drained and stable. Wet Pour Rubber Crumb can be laid on existing solid surfaces such as tarmac or concrete but you must ensure that there is good drainage. We do not recommend laying directly onto unprepared surfaces such as bare soil or grass. If the area you intend to use is currently soil, grass or other unmade surface then we strongly advise that a subbase of a minimum of 100 mm of a compacted aggregate such as MOT Type 1 should be laid first with a geotextile membrane laid on top to inhibit weed growth.

A firm edging should be installed around the perimeter of the area either using rubber or concrete pin kerbs or treated timber 2"x 8", staked in. Wet Pour Rubber Crumb should not be laid in damp or cold conditions - 5°C is the minimum temperature advised, 25°C maximum. The PU Binders are moisture activated and any contact with moisture either through rainfall or existing damp surfaces during installation will cause the binder to react and cure much more quickly resulting in potential problems with the finished surface. Check that there is no rain forecast for at least 48 hours from when you start the installation.

A Wet Pour Rubber Surface is normally laid in two separate processes. Firstly, the base layer of 2-6mm Black SBR rubber crumb which forms as the shock pad of the surface and is normally the thickest layer. It is then followed by a thinner topcoat or hard-wearing layer which may be a coloured or black EPDM Rubber Crumb or a finer grade SBR crumb. The depth of the top layer is usually 10-15 mm whereas the base layer can be 20 – 50 mm thick or deeper depending on the fall height protection required.

To mix the Rubber Crumb and Binder it is common practice to use a forced action pan or paddle mixer. For the Base Layer we recommend a mixture ratio of 10% PU Binder to Rubber i.e. 2.5kg of Binder to 25kg of SBR Rubber. For the top layer we recommend a mixture ratio of 20% PU Binder to Rubber i.e. 5kg of Binder to 25kg EPDM Rubber.

When you have prepared the sub-base, you can begin the mixing of crumb and binder. Allow the material to mix for between 4-6 minutes per batch. Reducing this mixing time will result in the surface taking much longer to set. However, leaving it too long mixing will make it more difficult to spread so this timing is critical. Empty the batch has been mixing for the correct length of time from the mixer into a wheelbarrow and take it immediately to the site to be poured out and laid. The mix should be trowelled evenly over the area to the required depth using a depth block and straight edge then lightly rolled to ensure a levelled surface. As the rubber crumb is obviously very adhesive at this point, we advise continuously lubricating your trowels and rollers with our release agent, Polysolv. We recommend that you coat the edging and base layer as you approach it, with a layer of resin or primer which is a thinned paint brushable resin. This will help to create a strong adhesion between the finished surface and the base or edging. The polysolv can be used to clean your tools once you have finished the job. On the following day repeat the process using the EPDM for the top layer. The area should be ready to walk on within 24 hours but we recommend it not to be used for 72 hours after completion. Tools you may require are, a forced action pan (paddle) mixer, wheelbarrow, light roller trowels, measuring jug and funnel, a straight edge depth block, a bucket, gloves and washing up liquid. For more information on MonsterMulch products, please visit www.monstermulch.co.uk or email sales@monstermulch.co.uk. or you can contact us on 01916451685.