RTC SAFETY SURFACES

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Sub-Base Specification

Wet pour safety surfacing can be laid onto a variety of sub-bases. The most common of these being MOT Type 1 Stone, Tarmac or Concrete. We can lay wet pour surfacing onto other sub-bases but please contact us first to discuss suitability.

The sub-base can determine the depth of the safety surface to be laid. For example – If your sub-base is MOT Type 1 Stone, the minimum depth required would be 40mm. We can advise on any aspect of sub-base or edging detail required.

Below are the most common forms of sub-base for wet pour safety surfacing.

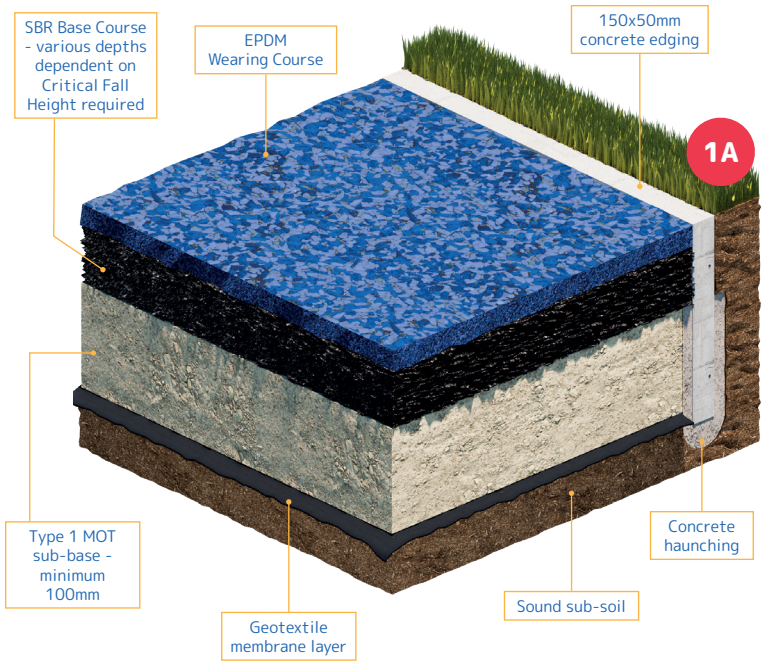
1

New Base Preparation (40mm or more)

For wet pour surfacing at a depth of 40mm or more (*diagram 1A)* it is possible to lay directly onto MOT Type 1 stone. The existing ground needs to be excavated to accommodate a base of between 100mm - 300mm depending on site conditions and the required thickness of wet pour.

A concrete kerb edging (PCC) of 150mm x 50mm should be installed around the perimeter of the area which is then filled with MOT Type 1 Stone and compacted. This will then leave the correct depth below the top of the kerb to accommodate the required thickness of wet pour.

The MOT Type 1 Stone should be compacted to a tolerance, giving local deviations no greater than 7mm under a 3m straight edge in any direction.



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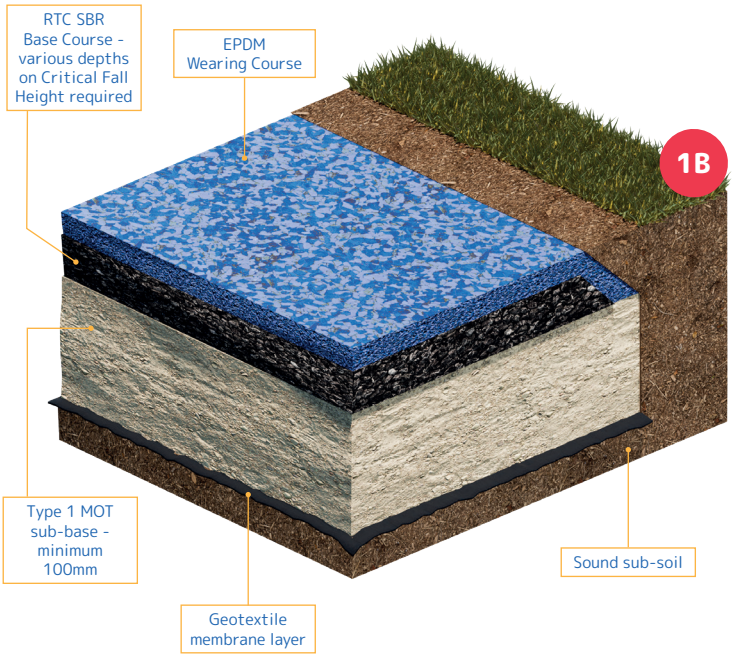
If the wet pour safety surfacing is being installed into an excavated grass area and a PCC edge or other hard edging has not been installed (*diagram 1B)*, there is the option to form a trench edge. This means that the wet pour would not only cover the base but exceed it and ramp down into the trench. This can then be back filled with soil to create a softer edge.



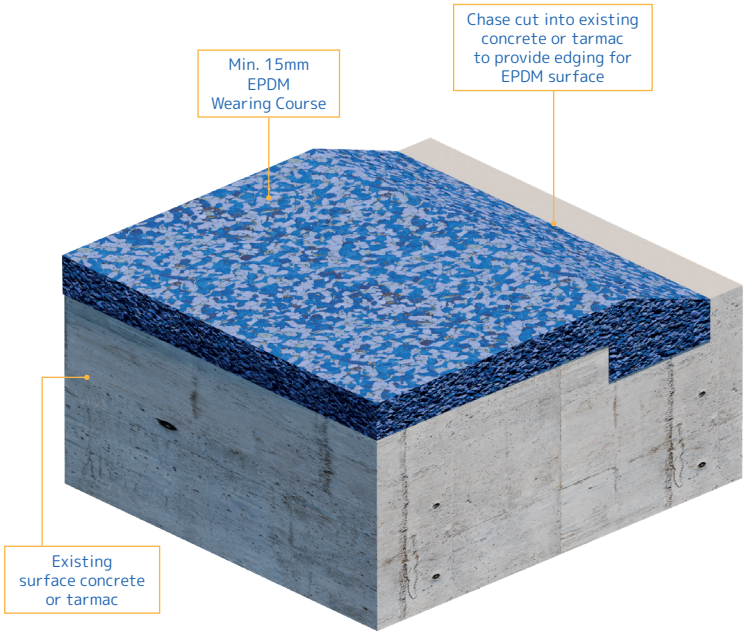
2

Existing sub-base – Tarmac or Concrete

Wet pour safety surfacing can be installed over the top of most existing surfaces that are in reasonable condition. This can be a cost effective method, eliminating the need for groundwork preparation.

The sub-base needs to be solid, in good condition and free of any weeds or moss. It is important to ensure that there is sufficient drainage. There may be a requirement to drill holes into the surface in a grid pattern to provide appropriate drainage, particularly if there are no existing drains. Please contact us if you need further information.

The minimum depth which can be laid onto good quality existing sub-base is 15mm - 20mm.



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3

New Base Preparation (Less than 40mm)

For surfaces less than 40mm, it is necessary to lay a 50mm open texture macadam surface for the rubber to be laid onto. This should be laid onto an MOT Type 1 sub-base. A concrete kerb edging 150mm x 50mm should be installed around the perimeter of the area and set to the appropriate height above the macadam to allow the wet pour rubber to finish flush with the edge. The macadam sub-base should have deviations no greater than 7mm under a 3m straight edge.

It may be more cost effective to lay a surface which is 40mm or more in depth, as this will remove the requirement for the macadam layer as the surface can be laid directly onto well compacted MOT type 1 stone.

It is important that the sub-base is solid and free draining to ensure maximum longevity of the surface.

Should you have any queries regarding base preparation, please contact us and we would be happy to advise. RTC Safety Surfaces can prepare a sub-base for you if required, please let us know and we can give you a price for this.