

Method statement for VubaMac Country

Heavy Vehicle



VubaMac is an eco friendly, re-inforced durable alternative to the usual open grade Tarmac and no fines concrete materials widely used as bases for resin bound systems.

It incorporates High Tenacity Polyester Yarns which gives strength as well as flexibility, Recycled aggregates and a binder which far exceeds the properties Bitumen and cement as a binder.

VubaMac components:

- 2 layers of 1mm SRM (Structural Reinforcement Mesh)
- Recycled Aggregate (2-8mm)
- 5kg binding quartz
- 4.5kg VubaMac Resin

Tools required

- Forced action mixer
- Paddle mixer/whisk
- Spazzle/rake/spreader
- Wheel barrow or buckets
- Trowel
- VubaMac Roller
- Cutting equipment (angle grinder, box cutter, shears or scissors)

Sub base requirements

The desired sub base for a permeable installation should comprise of:

- A minimum of 225mm compacted type 3 aggregate laid on a non woven geotextile membrane as a separation layer between sub base and sub soil.
- Grano grit of 6mm clean aggregate can be used on top of the type 3 as a capping layer in ensure stability and uniform levels.

Installation instructions

1. First ensure the prepared sub base is well compacted, uniform in level and is of the correct depth.
2. Roll out the SRM and cut to required size. Care must be taken to ensure SRM is tight to edgings without overlapping or touching.
3. Load recycled aggregate into a forced action mixer in the supplied size ratio and quantity.
4. Mix resin by pouring part B into part A and mixing with a suitable paddle mixer until homogeneous.
5. Pour mixed resin into the loaded forced action mixer and allow to mix. Care should be taken to ensure all resin is scraped from the container, and into the forced action mixer.
6. Once the mix is "wetted out" and has a uniform consistency, add the binding quartz and allow to mix until dissipated uniformly into the mix.
7. Discharge mix into plastic lined wheelbarrow or similar, take to working area and tip onto SRM. Care should be taken not to dislodge or create a wave in the mesh.
8. Level the base mix with a spazzle or similar, ensuring full coverage of the SRM, with the mix reaching 30mm depth (see our base build up for more information). Total depth of the finished system will be 56mm, so care should be taken to ensure the correct coverage is being laid, either by measurement of the capping layer or by laying with a screed box.
9. After completion of the VubaMac, roll the SRM layer over the infill and cut to size. Followed by a third layer of SRM perpendicular on top of this layer. Settle the mesh into the system with a VubaMac Roller or similar. Vuba trowel cleaner can be used as a release agent for the roller or other compaction tools.
10. Cordon off area and allow to cure.



Find out more **from our technical team:**

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