VubaMac: Application Guide

Patios and Paths - Repurposed Aggregate

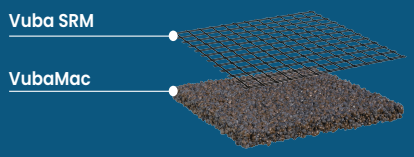
Product Overview:

VubaMac is an eco-friendly, durable base, specifically designed for use with resin bound, it is a superior alternative to conventional open-grade Tarmac and no-fines concrete bases commonly used in resin-bound systems.

Key Features:

Utilises waste aggregates and a superior polyurethane Elastomeric binder that outperforms traditional bitumen and cement.

VubaMac Base
Patios and Paths



Components:



1 x 1/2 bag 1-3mm Aggregate (12.5kg)
2 x 25kg VubaMac Aggregate &
2 x 25kg 2-5mm Aggregate

OR



1 x 1/2 bag 1-3mm Aggregate (12.5kg)
2 x 25kg VubaMac Aggregate &
1 x 25kg 1-3mm Aggregate
1 x 25kg 2-5mm Aggregate



1 Layer of 1mm Structural Reinforcement Mesh (SRM)



4.5kg VubaMac Resin

See Base Build Up Sheet for more Information.

Tools Required:



Forced Action Mixer



Paddle mixer/Whisk



VubaMac Roller



Wheelbarrow or Buckets



Trowel



Spazzle/Rake/ Spreader



Cutting Equipment
(angle grinder, box cutter, shears or scissors)

Sub-Base Requirements:

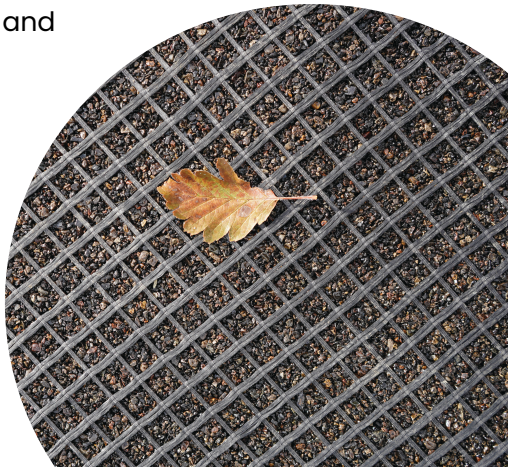
Permeable Installation

1. Sub-Base Composition:

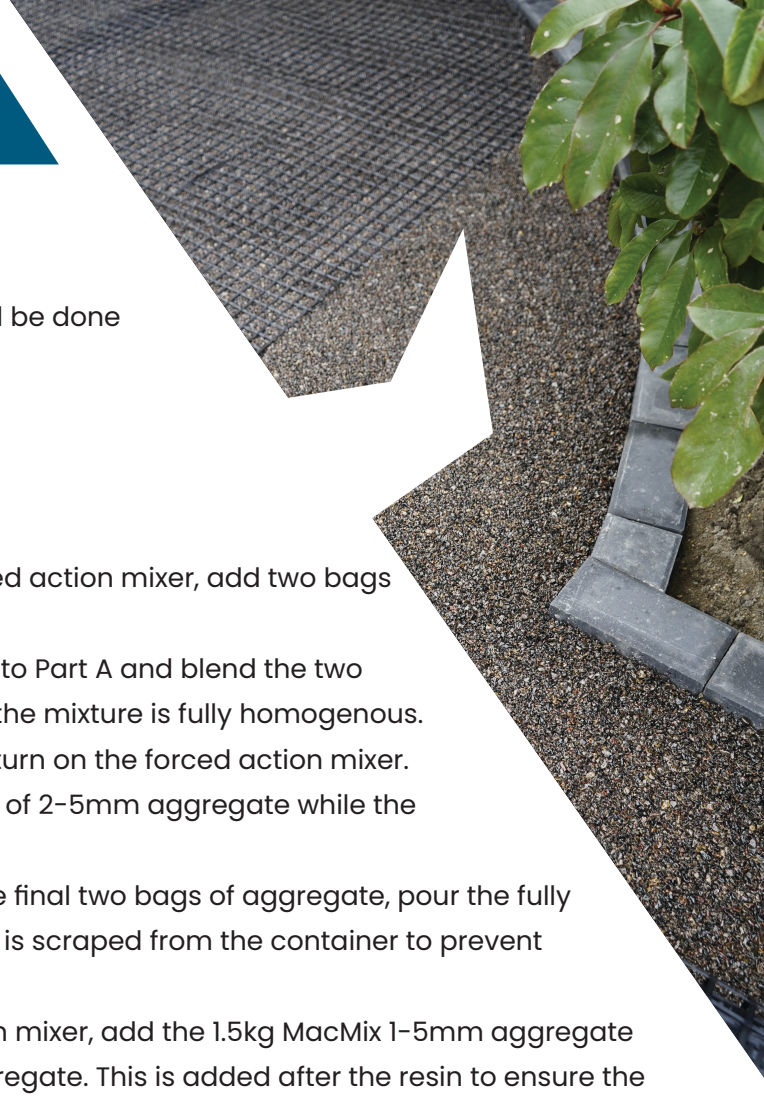
- A depth of 125- 225mm compacted MOT Type 3 aggregate. Depth would be decided depending on Sub Soil composition.
- Laid on a non-woven geotextile membrane to separate the sub-base and sub-soil.

2. Capping Layer:

- Use a 5-10mm clean aggregate as a capping layer for stability and uniform levels.



Installation Instructions



Step 1: Sub-Base Preparation

Ensure the prepared sub-base is:

- Compacted in layers for the best results, this should be done using a whacker plater or roller.
- Uniform in level.
- Has the correct depth as recommended by Vuba.

Step 2: Mixing Process

1. Prepare the Aggregates: Before turning on the forced action mixer, add two bags of 6-10mm aggregate into the drum.
2. Mix the Resin: In a separate container, pour Part B into Part A and blend the two components using a paddle mixer for 90 seconds until the mixture is fully homogenous.
3. Start the Mixer: Once the resin is thoroughly mixed, turn on the forced action mixer.
4. Add Remaining Aggregates: Add the next two bags of 2-5mm aggregate while the mixer is running.
5. Incorporate the Resin: Immediately after adding the final two bags of aggregate, pour the fully mixed resin into the forced action mixer. Ensure all resin is scraped from the container to prevent material waste.
6. Once the resin has been added to the forced action mixer, add the 1.5kg MacMix 1-5mm aggregate or 12.5kg 50/50 blend of 2-5mm + 1-3mm recycled aggregate. This is added after the resin to ensure the smaller aggregate does not settle at the bottom of the mixer.
7. Final Mixing: Allow the mixer to blend the resin and aggregate for 120 seconds, ensuring a consistent and even distribution throughout the mixture.

Step 3: Structural Reinforcement Mesh (SRM)

1. Roll out the SRM and cut it to the required size.
2. Ensure the SRM is tight to the edges
3. SRM Meshing can be overlapped up to 6 inches. This will help to avoid any waves being created where the mesh joins together.

Step 4: Application

1. Discharge the mix into a plastic-lined wheelbarrow or similar.
2. Transport to the working area and tip onto the SRM.
    - Take care not to dislodge or create waves in the mesh.
3. Level the base mix using a spazzle or similar tool to ensure full SRM coverage.
    - Ensure the mix reaches the correct depth. Vuba Mac being installed for pedestrian use should be installed at 15mm.

Step 5: Curing

- Cordon off the area and allow the system to cure fully.
- Overlay within 1 hour, temperature dependent.
- Full Chemical cure within 7 days.