Vuba Surface: Application Guide

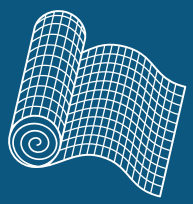
Occasional Foot Traffic

Product Overview:

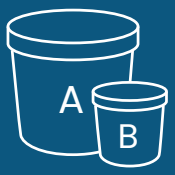
Vuba's Occasional Foot Traffic Base Build-Up is engineered to provide sufficient strength for pedestrian use without the need for an additional base layer. The increased depth of the Vuba Surface layer serves as both the base and the top layer, offering a streamlined, all-in-one solution. This innovative approach reduces installation time and costs. Supporting the system is our extremely robust SRM layer, which sits beneath the surface to deliver enhanced durability and long-term performance.



Components:



1 Layer of 1mm Structural Reinforcement Mesh (SRM)



7.25/7.5kg Standard Resin



4x 25kg Aggregate (1-5mm)



5kg Binding Quartz

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:

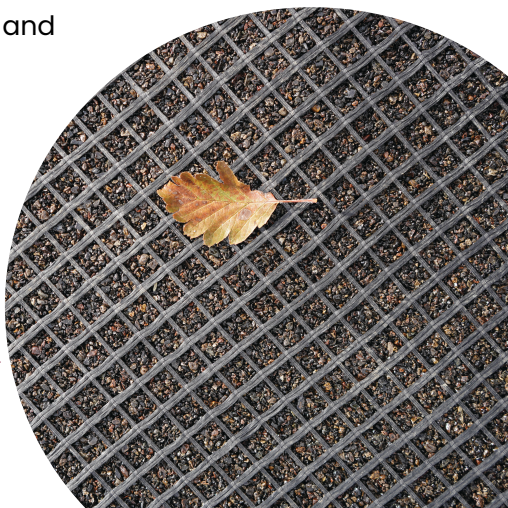
Permeable Installation

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: 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 3: Mixing Process

1. Prepare the Aggregates: Before turning on the forced action mixer, add two bags of 2-5mm 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 + 1-3mm 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 5kg binding quartz. This is added after the resin to ensure the smaller quartz 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 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 Surface for Light Foot Traffic should be installed at 25mm compacted depth.
4. Use a trowel or power trowel to finish the surface and achieve the desired finish.

Step 5: Curing

- Cordon off the area and allow the system to cure fully.
- Full Chemical cure within 7 days.