

# VubaMac: GrassMac Application Guide

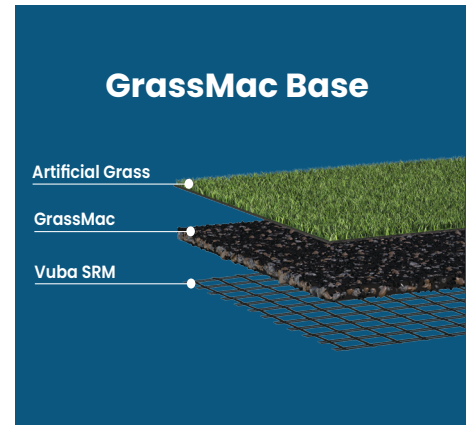


## Product Overview:

GrassMac is an eco-friendly, durable base, specifically designed for use with artificial grass. It is a superior alternative to conventional bases.

## Key Features:

Utilises a combination of recycled styrene-butadiene rubber and aggregates, mixed with a superior polyurethane elastomeric binder that outperforms traditional artificial grass bases such as sand or grano dust.



## Components

Each GrassMac System Includes:



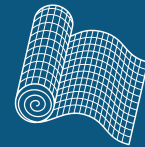
- 1 x 25kg Styrene-Butadiene Rubber (SBR) 2-6mm
- 1 x 25kg GrassMac Aggregate Bag 2-5mm



- 1 x 12.5kg Mac Mix 1-5mm



- 1 x 5.25kg GrassMac Resin Kit



- 1 Layer of 1mm SRM (Structural Reinforcement Mesh)

## 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:

### 1. Sub-Base Composition:

- A depth of 125mm compacted MOT Type 3 / Clean Stone / No fines aggregate
- Laid on a non-woven geotextile membrane to separate the sub-base and sub-soil.

### 2. Capping Layer:

- A 25mm depth of 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 using a whacker plate or roller.
- Uniform in level.
- At 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 and secured under the edging.
3. SRM meshing can be overlapped up to 6 inches to avoid waves where mesh joins.

## Step 3: Mixing Process

### 1. Prepare the Aggregates and Rubber:

- Start by adding the 25kg styrene-butadiene rubber.
- Add one bag of GrassMac aggregate 25kg into the forced action mixer (before starting it).

### 2. Mix the Resin:

- Pour Part B into Part A and blend using a paddle mixer for 90 seconds until fully homogenous.

### 3. Start the Mixer:

- Once resin is mixed, turn on the mixer.

### 4. Incorporate the Resin:

- Pour in the fully mixed resin immediately, scraping out the container to avoid waste.

### 5. Add MacMix:

- Add the 12.5kg MacMix 1-5mm stone, once the resin has been added to the mix, this will make sure the smallest stone is mixed evenly. The smallest stone is always added last.

### 6. Final Mixing:

- Mix for 120 seconds to ensure an even distribution of resin.

## 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.
  - Ensure full SRM coverage.
  - Install at a depth of 20mm.

## Step 5: Curing

- Cordon off the area and allow full cure.
- Artificial overlay possible within 2-4 hours (temperature-dependent).
- Full chemical cure within 7 days.