

# DALTEX BASE4BOUND

## DOMESTIC DRIVEWAYS/LIGHT VEHICLE TRAFFIC – BASE BUILD UP

DALTEX BASE4BOUND is specially formulated for use with resin bound surfaces and is permeable and SUDS compliant.

The DALTEX BASE4BOUND Base system uses DALTEX BASE4BOUND aggregates mixed with DALTEX NON-UV RESIN as well as DALTEX SRM (Structural Reinforcement Mesh) and MOT Type 3 materials.



### 1. DALTEX Resin Bound

18mm minimum depth. Binding quartz is essential and adds strength and improves slip resistance.

### 2. DALTEX SRM Layer

This increases the load bearing capabilities of the base.

### 3. DALTEX BASE4BOUND 30mm

This is the base course layer of DALTEX BASE4BOUND aggregates mixed with DALTEX NON-UV Resin. DALTEX BASE4BOUND are laid using a lute, and can be compacted with a roller, trowel or power trowel.

### 4. DALTEX SRM Layer

This increases the load bearing capacity of the system.

### 5. Capping Layer

This is a 25mm layer of 5-10mm angular stone, well compacted on to the existing sub-base

### 6. MOT Type 3

To be installed at 125mm as standard and up to 225mm if there are concerns about permeability of the sub soil.

### 7. DALTEX Geotextile Membrane

A Geotextile Membrane must be installed across the entire project area. It is important the correct grade of material is used.

### 8. Sub-Soil

The sub soil could affect the sub-base specification as ground drainage needs to be considered.

This information is provided for guidance only. All recommendations and suggestions are made in good faith but without guarantee and are subject to the company's terms and conditions.

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**Daltex**

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## DOMESTIC DRIVEWAYS/LIGHT VEHICLE TRAFFIC – APPLICATION

### Product Overview:

DALTEX BASE4BOUND 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 repurposed aggregates and a superior polyurethane high quality binder.

### Tools required:

- Forced Action Mixer
- Paddle Mixer/Whisk
- Roller
- Wheelbarrow or Buckets
- Trowel
- Spazzle/Rake/Spreader
- Cutting Equipment

### 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 plate or roller.
- Uniform in level.

#### 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 Mesh can be overlapped up to 15 centimetres. This will help to avoid any waves being created where the mesh joins together.

### Installation Instructions (continued):

#### Step 3: Mixing Process

1. **Prepare the Aggregates:** Before turning on the forced action mixer, add two bags of 4-10mm 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 4-10mm 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 DALTEX Binding Quartz.
7. **Final Mixing:** Allow the mixer to blend the resin and aggregate for 120 seconds, ensuring a consistent and even distribution throughout the mixture and uniform levels.

#### 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, the depth will depend on the type of area you are installing.
  - DALTEX BASE4BOUND being installed for vehicle use should be installed at 30mm..

#### Step 5: Apply The Second Layer of SRM Mesh vehicular traffic

1. Once the full DALTEX BASE4BOUND base has been laid:
  - Roll out the second layer of SRM Mesh on top, doing this straight after laying will allow the SRM to bond to the base.
2. Settle the mesh into the system using a Roller or similar tool.
  - Use DALTEX trowel cleaner as a release agent for the roller or other compaction tools.

#### Step 6: Curing

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