Daltex BASE 4BOUND

The foundation of beautiful, durable resin bound surfacing

PRODUCT DATA SHEET

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DALTEX BASE4BOUND

DALTEX BASE4BOUND is specially designed to create a stable base for resin bound surfaces that is both flexible and highly durable. It is a convenient alternative to tarmac, concrete and all other types of resin bound bases.

DALTEX BASE4BOUND is used with BBA Approved DALTEX Performance Resin Bound system to create a stable, long-lasting installation – guaranteed!*

DALTEX BASE4BOUND forms a uniform bond with the resin bound surface and can be used for vehicular traffic, pedestrian traffic and heavy vehicular traffic.

Why Choose DALTEX BASE4BOUND

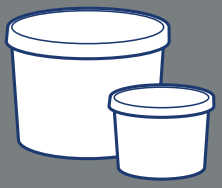
- Can be used for vehicular and pedestrian areas.
- SUDS Compliant – no need for tarmac or concrete.
- Saves time – That means more installs could be completed every week!
- Minimises customer disruption – allows for quick, hassle free base installation.
- High flexural strength and durable
- Fast cure times
- Compacts cleanly and easily

Where can DALTEX BASE4BOUND be used

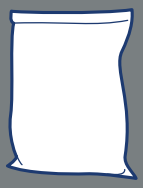
Suitable for heavy vehicles, light vehicles and pedestrian loads including:

- Residential driveways
- High-footfall commercial areas
- Public projects
- Pathways, ramps & access routes
- Pool surrounds & leisure facilities
- Retail forecourts & car parks

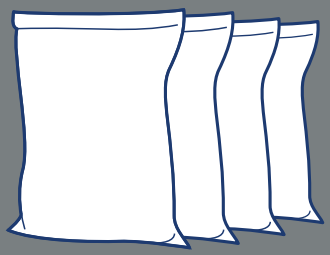
What is in a DALTEX BASE4BOUND kit?



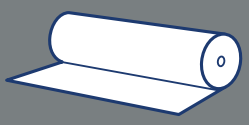
1 x **4.5kg DALTEX Non-UV Resin**



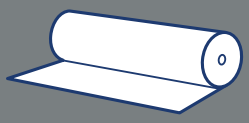
1 x **DALTEX Binding Quartz** adds strength



4 x **Bags DALTEX BASE4BOUND Aggregates**



1 x **DALTEX SRM Roll**
The SRM is a Structural Reinforcement Mesh adds strength and support structure to the base



1 x **DALTEX GeoTextile Membrane**
to prevent weeds and other unwanted growth

Coverage

Pedestrian	5.0 m^2
Vehicle Traffic	2.6m^2
Heavy Vehicle	2.15m^2

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PRODUCT DATA SHEET

DALTEX BASE4BOUND

Key Information

Resin Type: Polyurethane Resin

Aggregate Type: BASE4BOUND blended Aggregates 4-10mm

Full Cure: 7 Days

Processing temperature: 5°C-30°C

Curing time: Formulated to allow fast curing once installed, allowing rapid overlay with the DALTEX Performance UVR System.

Health and Safety

The use of suitable PPE including gloves, goggles and dedicated workwear are recommended.

The DALTEX Non-UVR System(s) does not contain any volatiles or solvents and can be used safely in well-ventilated areas. Please refer to DALTEX Safety Datasheets for more information and guidance on handling and use.

The new REACH restriction requires that workers handling diisocyanates complete training depending on their use. For more information go to https://safeusediisocyanates.eu

*5 year Peace of Mind Guarantee

We are covering all our DALTEX bases! To give you ultimate peace of mind, we are offering a 5 year guarantee against cracking when DALTEX BASE4BOUND is installed to the correct specifications and conditions when used together with DALTEX Performance Resin Bound.

Trust and Confidence.
Just what you'd expect from the UK's No. 1 brand in resin bound.

PEACE OF MIND
5
YEAR
PEACE OF MIND

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DALTEX BASE4BOUND

PATHWAYS AND PATIOS – 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
15mm minimum depth. DALTEX 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 15mm
This can be spread over the surface using a roller or a lute and does not need to be compacted.

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

5. MOT Type 3
To be installed at 125mm (but can be increased up to 225mm depending on the permeability of the sub-stone.

6. DALTEX Geotextile Membrane
A Geotextile Membrane should be installed across the whole area. It is important that the correct grade of material is used.

7. Sub-Soil
The type of sub soil will affect the specification of the sub-base and/or ground drainage requirements.

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DALTEX BASE4BOUND
PATHWAYS AND PATIOS – 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. DALTEX BASE4BOUND being installed for pedestrian use should be installed at 15mm.

Step 5: Curing

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

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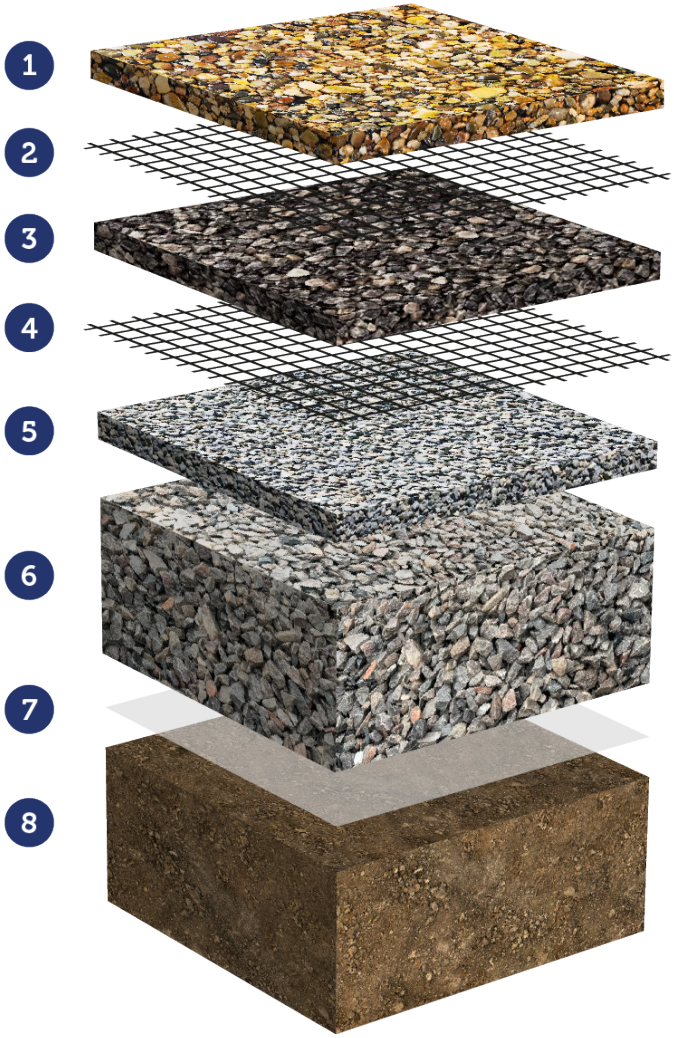
DALTEX BASE4BOUND
DOMESTIC DRIVEWAYS/LIGHT VEHICLE TRAFFIC – BASE BUILD UP

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.

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DALTEX BASE4BOUND
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.

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DALTEX BASE4BOUND
COMMERCIAL/HEAVY 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.

A convenient alternative to tarmac or concrete, DALTEX BASE4BOUND creates the perfect foundation for DALTEX Resin bound surfacing.

1. DALTEX BASE4BOUND
20mm minimum depth in BBA Approved DALTEX RESIN BOUND with binding quartz.

2. DALTEX SRM Layer
The SRM increases the load bearing capabilities of the base.

3. DALTEX BASE4BOUND 35mm
This is the base course and can be laid with a lute, and compacted with a roller, trowel or power trowel.

4.DALTEX SRM Layer
This increases the load bearing capacity of the base

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
This can be installed at a standard 125mm but depending ground drainage, this can be increased up to 225mm.

7. DALTEX Geotextile Membrane
A Geotextile Membrane should be installed across the entire area. It is important that the correct grade of material is used.

8. Sub-Soil
The type of subsoil and its permeability will influence the specification of the sub-base and/or ground drainage requirements.

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DALTEX BASE4BOUND
COMMERCIAL/HEAVY VEHICLE TRAFFIC – APPLICATION

Product Overview:
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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)

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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 Heavy Vehicle traffic use should be installed at 35mm.

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.

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