

Resin Bound Base Build Ups: Tarmac



Vuba Resin Bound Surfacing

The thickness required for your resin bound surfacing is dependent upon the usage, and the size of the aggregate in the blend you choose. Please see the following as a general guide:

Pedestrian Traffic - 12mm to 15mm

Parallel Driveways - 18mm

Turning Vehicle / Heavy Traffic 18mm to 21mm

Contact us for advice and specification on your project.



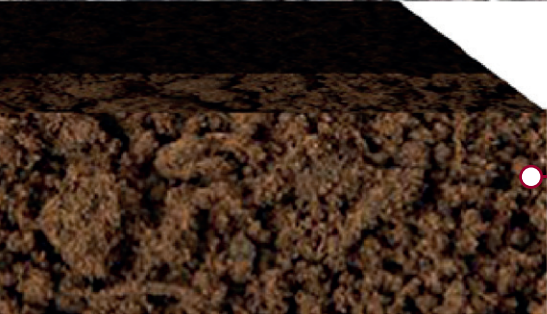
Binder Course

Minimum 50mm depth of open grade asphalt 100/150 pen to BS EN 13108-1:2006.



Sub Base

150 - 225mm depth of well compacted non- frost susceptible Type 1 granular sub base.



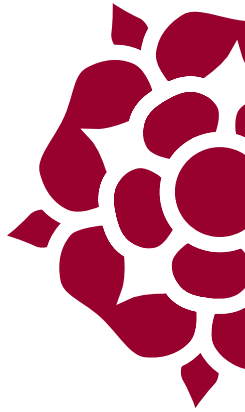
Sub Grade

Top soil stripped back until organic and vegetative material has been removed.

Advice:

Open grade Tarmacadam is the base we would recommend for all new projects which are to receive vehicle traffic. This base has excellent flexural strength, is fully permeable and interlocks excellently with resin bound surfacing.





Resin Bound Base Build Ups: Concrete



Vuba Resin Bound Surfacing

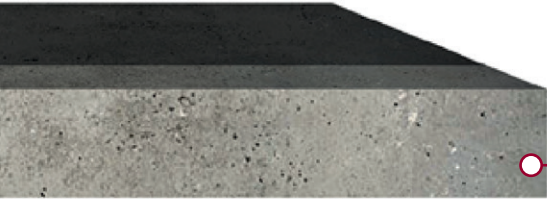
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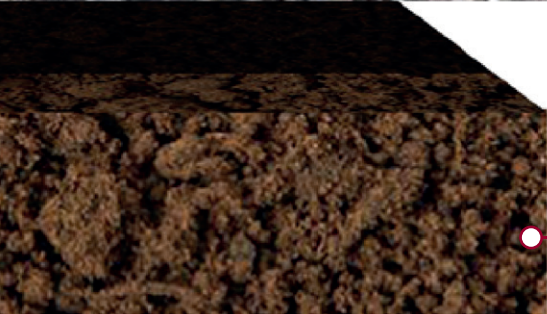
Binder Course

Minimum 100mm concrete, finished to a tamped or brushed finish. Compressive strength to be 30N/mm² and tensile strength 2.5N/mm². Relative humidity to be below 85% RH in accordance with BS 8205.



Sub Base

150 - 225mm depth of well compacted non- frost susceptible Type 1 granular sub base.



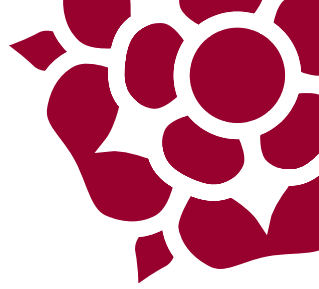
Sub Grade

Top soil stripped back until organic and vegetative material has been removed.

Advice:

Concrete is susceptible to cracking / joint movement which can reflect through into the in situ applied resin bound surfacing. Care should be taken to ensure joints / cracks are treated or reflected through into the resin surfacing.





Resin Bound Base Build Ups: Vubagrid Cellular Paving



Vuba Resin Bound Surfacing

The thickness required for your resin bound surfacing is dependent upon the usage, and the size of the aggregate in the blend you choose. Please see the following as a general guide:

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Turning Vehicle / Heavy Traffic 18mm to 21mm

Contact us for advice and specification on your project.



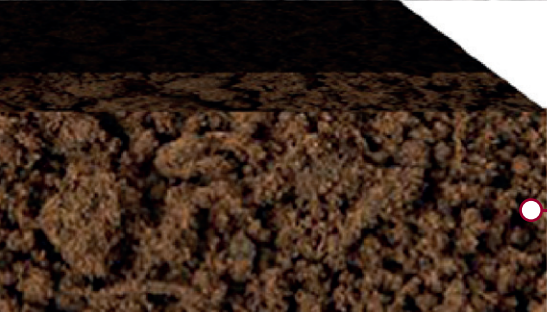
Vubagrid

40mm depth with 25mm spikes fully connected cellular reinforcement structure infilled with well compacted 4/10mm graded crushed aggregate to BS EN1260.



Sub Base

150 - 225mm depth of well compacted non- frost susceptible Type 1 granular sub base.



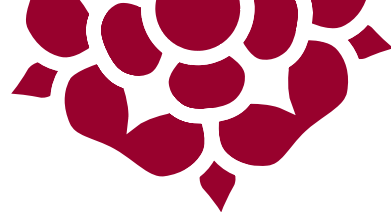
Sub Grade

Top soil stripped back until organic and vegetative material has been removed.

Advice:

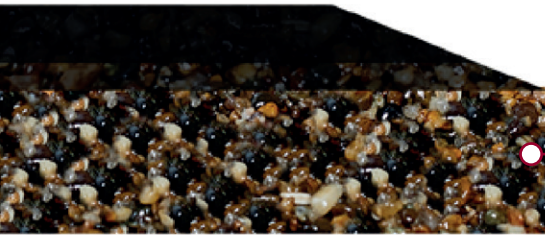
Concrete is susceptible to cracking / joint movement which can reflect through into the in situ applied resin bound surfacing. Care should be taken to ensure joints / cracks are treated or reflected through into the resin surfacing.





Resin Bound Base Build Ups:

Resipath Rubber and Stone Surfacing



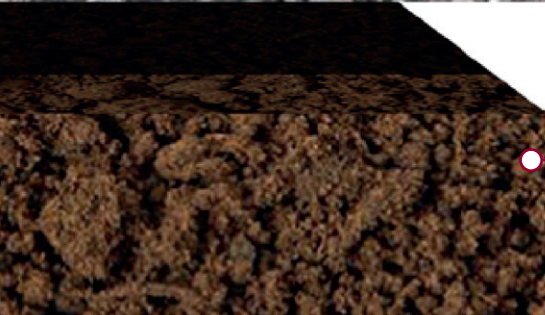
Vuba Resipath Surfacing

35mm - Pedestrian Traffic.



Sub Base

150 - 225mm depth of well compacted non- frost susceptible Type 1 granular sub base.

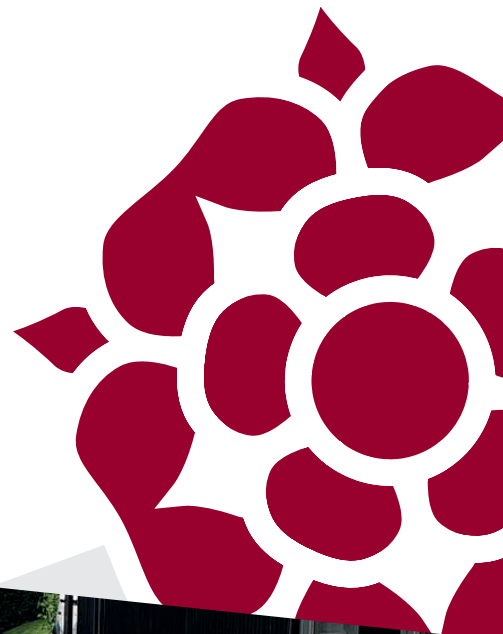


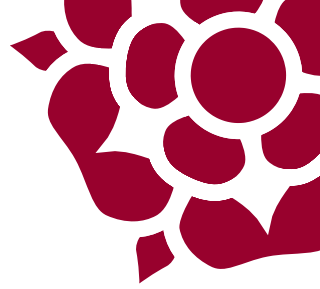
Sub Grade

Top soil stripped back until organic and vegetative material has been removed.

Advice:

Resipath is a rubberised flexible surface, fantastic for pathways and play areas. Resipath cannot be used for vehicle traffic.





Important notes

Vuba Resipath Surfacing

Vuba Resin Bound Surfaces can be overlaid onto existing asphalt or concrete surfaces of suitable construction for the traffic expected.

Resin Bound Thickness:

The application thickness of resin bound surfacing is very important to the longevity of the system. The thicknesses advised are the minimum thickness, and cannot be 'averaged' out over an area. You can exceed the advised thickness, but cannot apply under.

Movement Joints:

It is very important to consider joints between slabs, and existing cracks within slabs. Resin bound surfacing is an in situ screed and as such reflective cracking is a significant consideration when looking at a base to overlay. Please see the 'Vuba Base Movement' Technical Datasheet for more information.

Perimeter Profile:

A suitable steel, wood, brick, stone or aluminium edging should be provided to ensure a neat edge detail.

Surface Flatness:

The maximum tolerance of the base should not exceed 3mm under a 1m straight edge. If there is a danger of ponding, the sub-base should be laid to falls.

Sub-Base Thickness:

Total sub-base thickness will be dictated by loading and attenuation requirements.

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