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Resin Bound Surfacing Specification

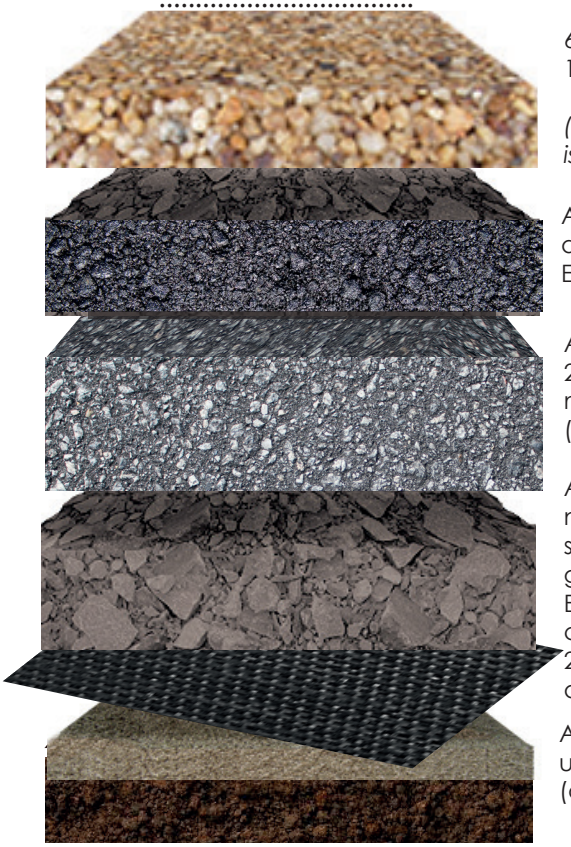
Car Parks (SuDS) - Stonebound

Typical base build up for cars & occasional light delivery vehicles

Recommended Specification for Stonebound

stonebound®

0.5mm dia. grit cast onto uncured surface



Typical depth of resin bound surface:

Surface Course
Hand applied and trowelled to a smooth finish by Addagrip approved installers

6mm aggregate formulation min.18mm
10mm aggregate formulation min. 24mm

(3mm aggregate formulation min.12mm is semi-porous)

Binder Course
Laid by others in well compacted layer to a mimimum fall of 1.5% (1 in 66)

A 30mm depth of AC 14 Open Surface asphalt concrete max 100/150 pen to BS EN 13108-1:2006 (Bituminous Macadam)

Road Base
Laid by others in well compacted layer.

A 60mm minimum depth of maximum AC 20mm open graded asphalt concrete max 100/150 pen to BS EN 13108-1:2006 (Bituminous Macadam)

Sub-base
Laid by others in well compacted layers to a minimum fall of 1.5% (1 in 66)

A 300-500mm depth of well compacted, non-frost susceptible Type 3 granular sub-base to SHW clause 805 or 4/20mm graded crushed concrete aggregate to EN12620 or recycled aggregates which comply with the above, blinded with 2/6.3mm graded crushed concrete aggregate to EN12620

Optional membrane

A geotextile membrane to prevent upward migration of fine soil particles (optional)

Capping Layer

Sub-grade

Note:

Addagrip Resin Bound Surfaces can be overlaid onto existing asphalt or concrete surfaces of suitable construction for the traffic expected. Any movement joints/construction joints in concrete should reflect through the surface. Cracks should be broken out if necessary and filled with a polymer/cement crack filling material.
Areas that may be trafficked by heavy vehicles should have structural layers designed according to the Highways Agency.
A suitable steel, wood, brick, stone or aluminium edging should be provided to ensure a neat edge detail.
The maximum tolerance of the base should not exceed 3mm under a 1m straight edge.
If plastic or silty sub-grade is present, a capping layer should be used in accordance with HA Design Manual for Road and Bridges HD25.
If there is a danger of ponding, the sub-base should be laid to falls.
Total sub-base thickness will be dictated by loading and attenuation requirements.
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The figures quoted do not constitute a specification, they represent typical values obtained for this product.

Addagrip House
Bell Lane Industrial Estate
Uckfield
East Sussex TN22 1QL

addagrip™
A Member of the Terraco Group

Tel: 01825 761333
Web: www.addagrip.co.uk
Email: sales@addagrip.co.uk

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