Car Parks and Access Roads (SuDS)

Typical base build up suitable for car parks, access roads, occasional light delivery vehicles, emergency vehicles and refuse collection.

Recommended specification for all Addagrip Resin Bound products:

0.5mm diameter glass grit lightly broadcasted onto uncured surface for antislip.

Surface Course

Hand applied and troweled to a smooth finish by Addagrip approved installers. For **6mm** aggregate formulation min.18mm. For **10mm** aggregate formulation min. 24mm. (3mm aggregate formulation min.16mm is semi-porous)

Binder Course

Laid by others in well compacted layer to a minimum fall of 1.5% (1 in 66). A 40mm depth of AC14 or AC10 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 100mm minimum depth of AC20mm open bit asphalt concrete max 100/150 pen to BS EN13108-1:2006 (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 1X or Type 3 granular sub-base to SHW clause 805 or 4/40mm graded crushed concrete aggregate to BS EN12620 or locally available secondary or recycled aggregates which comply to the above specification. The surface should then be blinded with 2/6.3mm graded crushed concrete aggregate to BS EN12620.

Optional membrane

Geotextile membrane to prevent upward migration of fine soil particles or an impermeable membrane to convey water to infiltration or storage systems etc.

Soil

CBR>5% required. If below, capping layers are required to strengthen soil. Consult your soil engineer for further guidance

Note:

1. **Existing Binder Course**
   - 1.1. Existing asphalt or concrete must be sound and suitable for the anticipated use.
   - 1.2. Any movement or construction joints in concrete must be reflected through the finished surface.
   - 1.3. Cracks should be broken out where necessary and filled using an appropriate polymer or cement-based crack repair material.
   - 1.4. The base must be level, with a maximum tolerance of 3mm under a 1m straight edge.
2. **Drainage & Falls**
   - 2.1. Where non-permeable build-up layers are used or there is a risk of ponding, the surface must be laid to suitable falls.
   - 2.2. Adequate subsurface drainage must be installed to manage surface water.
   - 2.3. The suitability and compliance of all base build ups and drainage arrangements must be assessed and designed by a suitably qualified drainage or civil engineer.
3. **Sub-base & Ground Conditions**
   - 3.1. If plastic or silty sub-grade is present, a capping layer must be installed in accordance with the Highways Agency Design Manual for Roads and Bridges (CD225).
   - 3.2. Total sub-base thickness will depend on loading requirements and any attenuation needs. Structural capacity and hydraulic performance must be confirmed by the project appointed structural and drainage engineers.
4. **Edging**
   - 4.1. Suitable edging (steel, timber, brick, stone, or aluminum) must be provided to ensure a clean and durable finish

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time of publication. No liability is accepted for the use of this information. No assessment is undertaken by Addagrip Terraco Ltd in respect of site wide drainage capacity, extreme rainfall events or compliance with statutory drainage approval or consent processes. Figures quoted are typical values only and do not constitute a specification.

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