Permeable Driveways and Urban Pathways (SuDS)

Typical base build up suitable for light vehicle use and occasional emergency or refuse vehicles

Recommended specification for Terrabase:
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. 30mm layer of any Addagrip 6mm or 10mm resin bound surface.

Terrabase Addagrid
Laid by Addagrip approved installers. Depth of Terrabase Addagrid 7.1mm.

Terrabase Geofabric
Laid by Addagrip approved installers. Depth of Terrabase Geofabric 2.4mm.



Regulating Layer
30mm layer of 6-10mm or 2-5mm angular stone (i.e. Limestone).

Sub-base
Laid by others in well compacted layers to a minimum fall of 1.5% (1 in 66). A 150mm – 225mm depth of well compacted, non-frost susceptible Type 1X or 3 granular sub-base (dependent on ground conditions) or locally available secondary or recycled aggregates which comply with the requirements of the specifications for the Highway works for sub-bases.

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

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**

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4.1. Suitable edging (steel, timber, brick, stone, or aluminum) must be provided to ensure a clean and durable finish

All advice and recommendations provided by Addagrip Terraco Ltd are based on practical experience and are believed to be accurate at the 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.