



CONMARBLE  
NATURAL FINISHES



BASE BUILD-UP DETAIL  
**ADDABASE**  
*Roof, podium and deck*

A CONMARBLE NATURAL FINISHES SYSTEM · RESIN-BOUND & RESIN-BONDED SURFACING

MANUFACTURED BY



Addagrip Terraco Ltd · United Kingdom

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**BUILDING LAYERS BY CONMARBLE** – Tabqat Albunyan Company For Contracting - CR: 7041240065  
Showroom Location : Al Urubah Road, Al Olaya, PMV69+7V, City of Riyadh 12333, Saudi Arabia  
Email: ahmad@conmarble.com, Insta: @conmarble, Tel: KSA +966 547 888 809 · QA +974 5573 7641

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## Permeable Roof / Podium Deck (SuDS)

*Typical base build up suitable for pathways and light MEWP*

### Recommended specification for Addabase:

**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. Minimum 25mm layer of any Addagrip 6mm or 10mm resin bound surface.

#### Addamash 50

Laid by Addagrip approved installers. Depth of Addamash 50 0.5mm. Ensure entire geofabric base is covered and overlapped as per manufacturer's instructions.

#### Geofabric

Laid by Addagrip approved installers. Depth of Geofabric 2.4mm. Ensure entire subbase is covered and overlapped as per manufacturer's instructions.

#### 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 100mm – 450mm 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).

#### 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

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.