Addastone Concrete Build Up

Typical base build up suitable for various uses.

Recommended specification for Addastone onto concrete.



Surface Course
Hand applied finish by Addagrip approved installers. Addastone Resin Bonded typical depth 5-7mm using 1-3mm aggregate size. Overcoat primer 24-48 hours after primer application.

Quartz Grit
Applied by Addagrip Approved Contractor. Apply quartz grit onto uncured EP Addastone Primer and leave to cure. Coverage of quartz grit 50-70% of primer surface.

EP Addastone Primer
Applied by Addagrip Approved Contractor. Depth of EP Addastone primer approx. 0.3-0.5mm.

Concrete Course
Laid by others. Prepare concrete surface by Vacuum Assisted Diamond Grinding or Shot Blasting. Depth of concrete should be calculated as required to take expected traffic loading.

Movement Joints
Do not apply Addastone Plus system over movement joints. Joint material should be placed after application of the Addastone Plus system.

Concrete Slab
Laid to expected loads, laid in bays not exceeding 20mm with a maximum bay length of 6m, on to a suitable granular sub-base Type 1 to DLTR 'Specification for Highway Works' to clause 803. Allow a minimum of 28 days to cure before applying Addastone Plus.
Alternatively, install Tarmac Toproc Microsilica Concrete, reducing cure time to approximately 7 days. Further details are available on request. Refer to the Addastone data sheet for surface preparation information.

Note:

1. **Existing Binder Course**
   - 1.1. Existing 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. 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

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