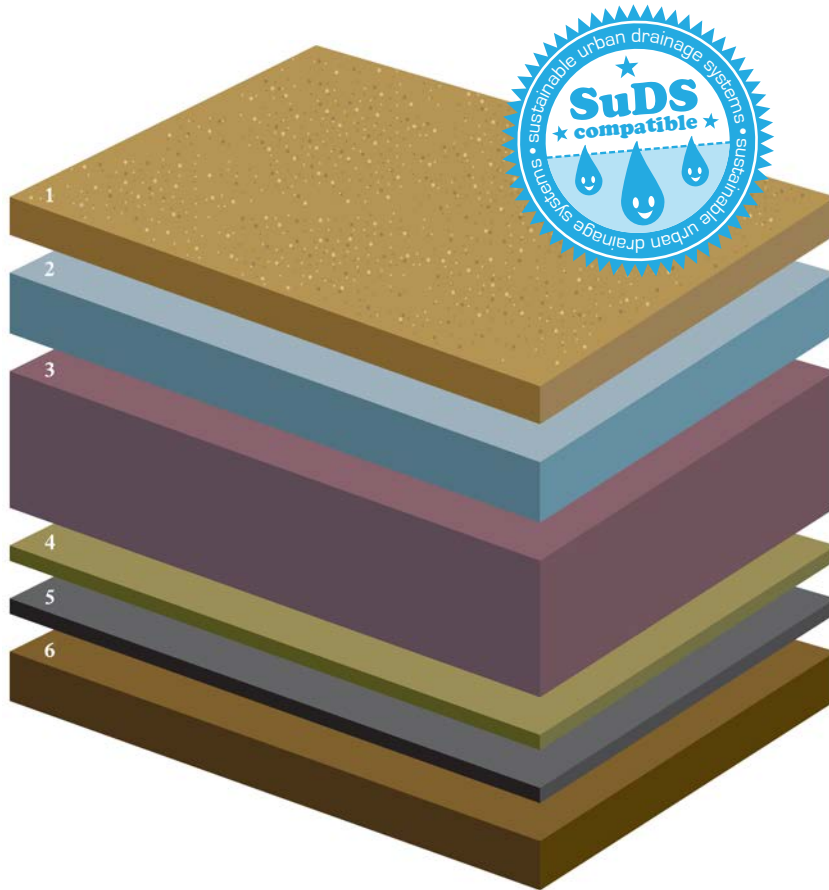


Ayton Clearmac®

specification advice for laying a permeable private driveway (SUDS)



1. Clearmac® cold-applied paving surface: 18mm layer depth for 3mm size aggregate, 20mm layer depth for 6mm size aggregate, 24mm layer depth for 10mm size aggregate.

2. Binder course: 70mm well compacted layer depth with minimum fall of 1.5%, maximum size of AC 14-20 open surface asphalt concrete, max 100/150 pen to BS EN 13108-1:2006. Laid by others.

3. Sub-base: 175mm minimum layer depth of well compacted type 3 granular sub-base with minimum fall of 1.5% to SHW clause 805 or 4/40mm graded crushed concrete aggregate to EN12620 or locally available secondary or recycled aggregates which comply with the above specification blinded with 2/6,3mm graded crushed concrete aggregate to EN12620. Laid by others.

4. Impermeable membrane: to convey water to infiltration/storage system etc. (optional)

5. Geo-textile membrane: to prevent upward migration of fine soil particles may be required. (optional)

6. Sub-grade

Performance

Clearmac® cold-applied paving provides a hardwearing textured surface that is attractive and easy to maintain.

Quick drying, Clearmac® is typically cured and ready to use by foot traffic in four hours.

Advantages

The SUDS compatible surface is permeable and avoids the need for planning permission.

Notes

If there is a danger that standing water will soften the sub-grade in an unlined system, a nominal fall to an outfall should be considered.

If plastic or silty sub-base is present, it may be necessary to stabilise the sub-grade or partially replace it with sub-base/granular capping. Total sub-base thickness will be dictated by expected loading/required water storage capacity/sub-grade strength.

The maximum deviation of the base should not exceed 3mm under a 1 metre straight edge.

This specification is based on normal good practice for flexible surfacing and does not absolve the specifier from designing a construction suitable for the expected traffic and ground conditions pertaining to a given site.