CORE Landscape® Products

SUDS COMPLIANT STATEMENT FOR *CORE DRIVE*, *CORE COMMERCIAL* AND *CORE PATH* GRAVEL GRID STABILISATION SYSTEM.

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SuDS COMPLIANCE STATEMENT FOR

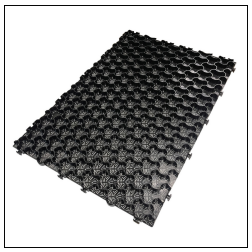
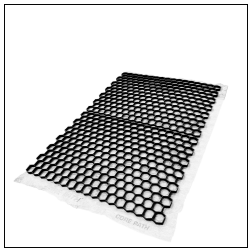
CORE DRIVE, CORE COMMERCIAL AND CORE PATH GRAVEL GRID STABILISATION SYSTEM

[1. INTRODUCTION]

CORE DRIVE, CORE COMMERCIAL and CORE PATH are engineered to provide permeable surfacing solutions that fully comply with the **National Standards for Sustainable Drainage Systems (SuDS)**, as outlined in the government's guidance [National Standards for Sustainable Drainage Systems, DEFRA, 2015]. These systems are specifically designed to reduce surface water run-off, promote infiltration, and support long-term water management strategies.

By containing gravel within rigid interlocking HDPE cells and incorporating a geotextile membrane, these products ensure effective water permeability and attenuation while delivering a durable, stable surface suitable for pedestrian and vehicular use. Refer to [Standard S2 – Design of Surface Water Drainage Systems] and [Standard S4 – Structural Integrity] for supporting requirements.

CORE COMMERCIAL, CORE PATH, CORE DRIVE

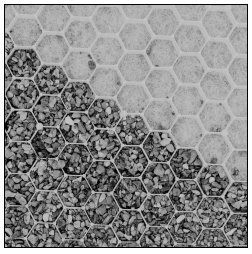




[2. PERMEABILITY & WATER MANAGEMENT]

• CORE DRIVE, CORE COMMERCIAL and CORE PATH are fully permeable systems that allow surface water to infiltrate directly into the prepared sub-base and underlying soil. This ensures that rainwater remains on-site, reducing pressure on piped drainage networks. This is in line with [Standard S1 – Surface Water Run-off Destination], which prioritises infiltration as the primary method of surface water management.

• The integrated geotextile membrane prevents the migration of fines, maintaining infiltration pathways over the lifetime of the installation. This is compliant with [Standard S2.6 – Storage, Infiltration and Evaporation], which requires drainage systems to ensure water can be retained, infiltrated or evaporated effectively.

• The system is capable of intercepting the **first 5 mm of rainfall**, thereby preventing uncontrolled run-off in accordance with [Standard S2.1 – Interception]. The system supports the seasonal performance targets of [Standard S2.5 – Interception Performance], which require at least **80 % interception during summer months** and **50 % in winter months**.




[3. SURFACE WATER RUN-OFF REDUCTION]

• By reducing the volume and rate of run-off, CORE DRIVE, CORE COMMERCIAL and CORE PATH contribute to peak flow management, aligning with [Standard S2.2 – Hydraulic Control], which requires developments to control the peak rate of run-off for design storm events.

• When used with an appropriate free-draining sub-base, these systems allow gradual infiltration to ground, ensuring compliance with [Standard S2.4 – Infiltration Compliance], which requires that infiltration systems are demonstrated to accommodate design flows without adverse impact.

• The design contributes to water quality improvements by filtering particulates through the gravel surface and geotextile, supporting [Standard S3 – Water Quality], which requires drainage systems to reduce pollutants and protect receiving waters.

[4. DURABILITY & LONG-TERM PERFORMANCE]

• The grids are manufactured from **high-density polyethylene (HDPE)**, ensuring long-term resistance to weathering, impact and loading. This supports [Standard S6 – Structural Integrity], which requires systems to be designed for structural resilience under expected operational conditions.

• The system maintains void space within the sub-base to accommodate water storage and infiltration throughout its lifespan. This complies with [Standard S5 – Maintenance & Functionality], which requires that drainage features remain functional over time with minimal maintenance requirements.

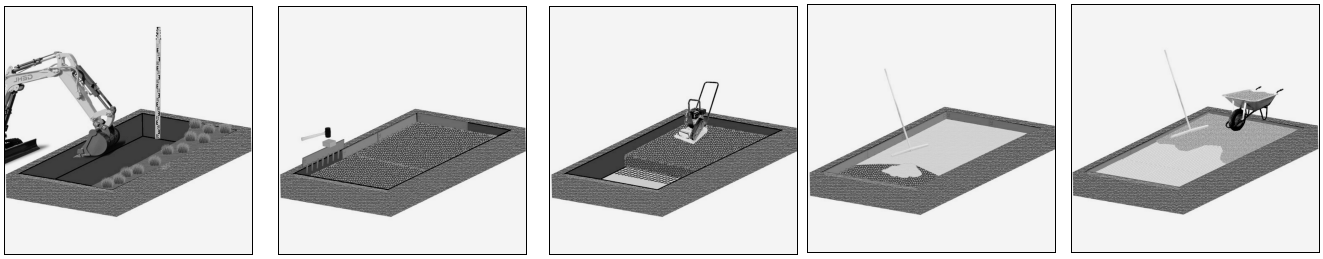
[5. INSTALLATION BEST PRACTICES]

• Installation follows strict procedures designed to maintain full SuDS compliance. A free-draining sub-base of angular stone is required to enable maximum infiltration, directly supporting [Standard S2.6 – Storage and Infiltration Requirements].

• Sub-base depth is calculated according to infiltration rates and site-specific drainage needs, meeting [Standard S6.2 – Design for Performance], which requires systems to be designed for hydraulic and structural capacity.

• Grids are filled with clean, angular gravel to ensure effective infiltration, stabilisation, and long-term permeability. This process supports [Standard S2.1 – Interception] and ensures compliance with [Standard S6.1 – Construction, Operation and Maintenance].

• Proper edge restraints and compaction practices are essential to maintaining structural performance, ensuring ongoing compliance with [Standard S6 – Structural Integrity].



[6. CONCLUSION]

CORE DRIVE, CORE COMMERCIAL and CORE PATH provide a **fully SuDS-compliant permeable surfacing solution**. These systems manage surface water at source, reduce run-off, and ensure long-term functionality and structural integrity.

By intercepting and infiltrating rainfall on site [S2.1–S2.6], reducing discharge to sewers and watercourses [S1], improving water quality [S3], and maintaining performance through durable design and proper installation [S5 & S6], CORE DRIVE, CORE COMMERCIAL and CORE PATH comply with all relevant SuDS standards.

For further information or to discuss how CORE DRIVE, CORE COMMERCIAL and CORE PATH can be integrated into your project with full SuDS compliance, please contact us.