

PROJECT | Guildford

CONTRACTOR | Garden Builders

CLIENT | Mr & Mrs Arnold

PRODUCT(S) | CORE Drainage Cells, CORE DRIVE 28-35R



#### PROJECT | SOLVE DAMP ISSUE ON HOUSE AND BRIEF | PROVIDE A WELL DRAINED DRIVE

The clients had severe damp issues on the exterior wall of the house. The driveway sloped towards the property and the area had no working drainage system in place. The clients wanted a free draining surface that would not require constant maintenance and could handle frequent car use, as well as being suitable for a baby stroller along with a solution to the rising damp problems they were experiencing.

#### PRACTICAL SOLUTION | INSERT LINEAR DRAINAGE AGAINST HOUSE, CREATE DRAINAGE HOLES IN EXISTING DRIVE

A trench was excavated alongside the wall and adjacent driveway. The trench was then lined with heavy gauge damp proof membrane. CORE drainage cells were wrapped in CORE geotextile membrane and placed vertically within the trench leading to the existing rainwater downpipe. A connection was made to allow both the downpipe and drainage cells to use the existing drainage system, the dug material was put back into the ground and re compacted. Drainage holes were punctured into the macadam and covered with a CORE Non woven geotextile membrane to protect them. CORE Drive 38-25R was laid over a sharp sand blinding and filled with a locally sourced 10/12mm angular gravel



**“We’ve had a few downpours since the work has been finished and the drainage seems to be working really well” Mr Arnold**

#### ADVANTAGES

Using a gravel stabilisation grid meant the existing surface could be utilized as part of the sub base, producing a significant cost saving and improving the environmental impact of the works. The porous surface allows water to flow through, avoiding surface water build up which maintains a clean surface for pedestrians. Also perfectly suitable for access by prams, pushchairs and DDA compliant if disabled access were required. The vertical cells have an immense flow rate allowing them to deal with surface and sub surface water relieving the hydrostatic pressure from the waterlogged ground immediately adjacent to the building. The surface is now flat, firm and puddle free. The house no longer has damp issues.