

PROVEN PERFORMANCE

*A sustainable, BBA accredited asphalt SDS system
that also contributes to BREEAM
Access roads, Johnson & Johnson*

ULTISuDS

Product ULTISuDS
Client GL Projects / Johnson and Johnson
Main Contractor Tarmac Contracting
Location Internal access roads, High Wycombe
Completion July 2007

THE CHALLENGE

The project brief required no change to the site's natural system of drainage. Johnson and Johnson required the construction of a short section of new access road within their facility whilst also providing a durable paved surface to an existing 500m long unbound chalk access track. Conscious of the need not to affect the natural balance of how rainwater currently soaked away, Johnson and Johnson requested a system that would not simply channel water into the site's drainage system but continue to allow it to percolate naturally into the ground.

OUR SOLUTION

Following three months of liaison of the whole works programme a 150mm deep layer of porous sub-base was shaped and profiled onto the existing surface of the track. To prevent future weed growth and in the absence of any geotextile membrane the surface was treated prior to placing the subbase. The new concrete edgings were then installed, followed by machine laid porous base and surface. During ULTISuDs installation technical assistance was on site at all times to supervise the works. All materials were supplied from Tarmac's Quality Assured production units. Hydraulic conductivity testing proved the system's capabilities. In total over 2,000m² were surfaced with porous materials.

RESULTS AND BENEFITS

Tarmac offered and provided a full technical assessment, proposing a structural design that would meet the individual loading requirements of Johnson and Johnson whilst also taking into consideration the existing differences in levels along the access track both longitudinally and transversely. A visual inspection was sufficient to prove the subgrade without the need for plate bearing tests to determine CBR values. The Client also wanted to incorporate new precast concrete edgings along both sides of the road that were sat on a conventional concrete bed and surround. Our design ensured this bed did not affect the hydraulic conductivity of the system. The works were completed on programme without any site disruption.

For more details contact your enquires@tarmac.com or call **0800 1 218 218**

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