

PROVEN PERFORMANCE

ULTILAYER, A422, Sunrising Hill, Warwickshire
*The ultimate solution to reflective cracking
and road surface deformation*

ULTILAYER

Product ULTILAYER-S 10mm
Client Balfour Beatty For Warwickshire CC
Location A422, Sunrising Hill
Completion April 2014

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The ultimate solution to reflective cracking and road surface deformation

THE CHALLENGE

Sunrising Hill on the A422 is a steep hill (16% gradient) on a busy road between Banbury and Stratford up on Avon. The previous surface of HRA + 20mm Pre Coated Chippings had become highly polished, presenting problems for heavy vehicles ascending the hill and increasing the risk of serious accidents for road users when descending the hill.

OUR SOLUTION

Tarmac Contracting was asked to come up with a resurfacing solution at one of the regular Technical Working Groups that was held as part of an ongoing partnership with Warwickshire CC and Balfour Beatty. The new surface needed to have a low texture (1.0 - 1.3 typically), and thus give more aggregate contact with the tyre footprint. It also needed to use a high PSV aggregate to prevent future polishing. Utilayer was recommended as a 50mm single layer solution over the existing binder course.

RESULTS AND BENEFITS

Utilayer was successfully installed in a single course over a three day period. As a result it improved the texture and safety on this busy stretch of road. Utilayer combines a high performance polymer modified binder (PMB) and a carefully designed aggregate grading. This makes it highly flexible, very strong and extremely durable. The mix used delivered 6% maximum in-situ voids, which is comparable to a BS 594987 CL 9.5.2 Performance-Related HRA requirement of 5.5% (the material used previously).

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

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