

# INDEPENDENT TESTING DEMONSTRATES EFFECTIVENESS OF ASPHALT PRESERVATIVES

## **“Accelerated Durability Assessment of Preserved Asphalt Mixtures using the Immersion Ageing Test”**

C. Ojum & I. Widyatmoko; AECOM  
A. Khojinian & N Thompson; Highways England

The above paper above was presented at the 7th International Conference on Bituminous Mixtures and Pavements, Thessaloniki, Greece on 12-14 June 2019.

The paper presented the results of a laboratory study by AECOM to establish the influence of asphalt preservative treatment using an accelerated durability test called the Immersion Ageing Test (IAT), to simulate and obtain the combined effects of ageing and moisture on typical Thin Surface Course Systems (TSCS).

One interesting note from these results was that the binder recovered from specimens treated with preservative seemed to suffer the least. This demonstrated the effectiveness of the treatment in preserving the treated asphalt specimens.

**The results showed the benefits from preservative treatment in maintaining the properties of material underneath the treated surface and they show that the application of asphalt preservatives has the potential to keep the pavement surface in the condition it is in at the time of application. The use of asphalt preservatives provides a protective seal on the pavement surface that can slow down the ageing process.**

The full text of the document is available here;

[https://www.researchgate.net/publication/333812006\\_Accelerated\\_Durability\\_Assessment\\_of\\_Preserved\\_Aspphalt\\_Mixtures\\_using\\_the\\_Immersion\\_Ageing\\_Test](https://www.researchgate.net/publication/333812006_Accelerated_Durability_Assessment_of_Preserved_Aspphalt_Mixtures_using_the_Immersion_Ageing_Test)

Acknowledgement is given to the authors:  
Daru Widyatmoko & Chibuzor Ojum (2019).