

THE USE OF GLASS FIBRE ADDITION TO REINFORCE A ROAD PATCH

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ABSTRACT

This paper summarizes a research project that investigated a pot-hole repair material that had glass fibres incorporated to improve the durability of the repair. As there is no standard method to evaluate pot-hole repair materials a new methodology called the Pothole Displacement Test was developed to substantiate this claim. The method involves making a base asphalt slab, creating a circular fracture to simulate a pot-hole or underlying weakness and determining the resistance to loading of the applied pot-hole repair material. Using this methodology, the investigation suggests that the use of chopped glass fibres may significantly increase the life of a pot-hole or reinstatement repair.

KEY WORDS: Potholes, chopped glass fibres, Pothole Displacement Test.