THE DEVELOPMENT OF VERY EARLY LIFE SKID RESISTANCE

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ABSTRACT
This paper considers development of skid resistance during the very early life of a range of road surfacing materials. It highlights the complicated inter-relationships between factors such as type of aggregate, bitumen, composition, surface texture, time of the year, road geometry and trafficking conditions. The combination of aggregate and particularly bitumen type has a significant effect on skid resistance during the period of very early life. Aggregate type is important for unmodified bitumen. The use of higher PSV does not guarantee high skid resistance during very early life. Rather, a lower PSV aggregate which strips quickly may perform similar to a much higher PSV aggregate. This paper and the issues raised illustrate that the phenomena of very early life skid resistance is complicated and that in terms of being a performance indicator is difficult to predict and measure as a specification requirement.

KEY WORDS: Very early life skid resistance, prediction