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# PERFORMANCE REQUIREMENTS IN THE PROPOSED MALAYSIAN STANDARD ON RETROREFLECTIVE RAISED PAVEMENT MARKERS

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*ABSTRACT*
This paper describes the background, test methods and performance requirements of a Malaysian standard on Retroreflective Raised Pavement Markers (RRPM) drafted by the Working Group on Road Stud under SIRIM Berhad. The proposed Malaysian standard on RRPM takes advantage of established international standards and test methods that specify RRPM but adopted Australian Standard AS/NZS 1906.1 as the main support document.

To ensure RRPMs employed are of sufficient quality, a number of laboratory test methods have been proposed which include dimensions, shape, reflective properties, colour, physical requirements with reference to water absorption, heat test, UV exposure test, impact resistance, compressive strength, glaze thickness and adhesive bond strength. The standard proposes a specified field conditioning under actual traffic for a period of 12 months. After this period, randomly selected samples are tested for reflectivity. The standard recommends terminal CIL values to gain acceptance before RRPM can be accepted for designated performance tests.

*KEYWORDS*: RRPM, Types, Reflectivity, Performance, Strength