

SINGAPORE STANDARD

Specification for road marking paint

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The Chemical Standards Committee appointed by the Standards Council consists of the following members:

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The Technical Committee on Paints and Varnishes appointed by the Chemical Standards Committee and responsible for the preparation of this standard consists of representatives from the following organisations:

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Members	: Mr Chee Teck Soon	<i>Singapore Confederation of Industries</i>
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Foreword

This Singapore Standard was prepared by the Technical Committee on Paints and Varnishes under the direction of the Chemical Standards Committee.

The standard applies to chlorinated rubber-based paint of alkyd type for adherence to bituminous and concrete surfaces without the use of undercoat. The paint is intended to be supplied in ready-for-use condition, and provisions are made to cover three colours for road marking paint. It does not cover reflective paints.

This standard is a revision of SS 221 : 1979. In this revision, the requirements on flexibility and adhesion (bend test), dilution stability and scratch resistance have been excluded from the standard. The revised edition now includes requirements on skid resistance which is critical especially if the road marking paint is applied on common roads, such as zebra-crossings. A safety margin on the skid resistance should be built to ensure the safety of drivers and pedestrians. For abrasion resistance of the paint, the abrasion test from falling abrasives is replaced with Taber abrader as the former is considered to be less user-friendly and less accurate than the Taber abrader method.

In preparing this standard, reference was made to the following standards:

- | | | | |
|----|---|---|---|
| 1) | Australian Standard
AS 4049.1 : 1992 | - | Paints and related materials - Road marking materials - Part 1:
Solvent-borne paint - For use with drop-on beads |
| 2) | Australian Standard
AS 4049.3 : 1996 | - | Paints and related materials - Road marking materials - Part 3:
Water-borne paint - For use with drop-on beads |
| 3) | South African
Standard SABS 731-
1 : 1995 | - | Specification for road and runway markings - Part 1 : Single-
pack solvent-borne and water-borne paints |

Subclause 4.1.6 on abrasion resistance is taken from subclause 4.14 of SABS 731-1 : 1995 with permission from The South African Bureau of Standards.

Acknowledgement is made for the use of information from the above references.

NOTE

- Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue of either amendment slips or revised editions.*
- Compliance with a Singapore Standard does not exempt users from legal obligations.*

Specification for road marking paint

1 Scope

This specification applies to paints based on chlorinated rubber and alkyd resins, formulated to adhere to bituminous surfaces, concrete as well as other surfaces commonly used for roadways. The product shall be available in white, yellow or red as specified in 2.3.1 and is recommended to be applied by road spraying machines or brushing.