

SINGAPORE STANDARD

# **Specification for hot-applied thermoplastic road marking materials**

– Part 3 : Application of material to road surfaces

## **SS 498 : Part 3 : 2002**

(ICS 93.080.20)

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### **Specification for hot-applied thermoplastic road marking materials**

– Part 3 : Application of material to road surfaces

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ISBN 9971-67-903-5

This Singapore Standard is approved by the Chemical Standards Committee on behalf of the Standards Council of Singapore on 30 July 2002.

First published, 2003.

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## Foreword

This Singapore Standard was prepared by the Working Group on Hot-applied Thermoplastic Road Marking Materials appointed by the Technical Committee on Surface Coatings under the direction of the Chemical Standards Committee.

Since the introduction and application of hot melt thermoplastic road marking material in Singapore in early 1980, the authorities concerned, the then Public Works Department in particular, adopted the British Standard BS 3262 : 1979 as the guideline for specification when drawing up legal tenders for all road marking jobs involving hot melt thermoplastic material. As some of the British practices and conditions are not applicable in Singapore, it was considered necessary to have a Singapore Standard for thermoplastic road marking material. The Working Group adopted the British Standard BS 3262 Parts 1, 2, and 3 with the necessary amendments to suit local conditions and be used as the Singapore Standard.

This standard is an adoption of BS 3262 : Part 3 : 1989 and is implemented with the permission of British Standards Publishing Ltd. However, BS 3262 : Part 3 : 1989 had been declared obsolete and replaced by BS EN 1824 : 1998 Road marking materials – Road trials and BS EN 1871 : 2000 Road marking materials – physical properties by BSI. The Working Group considered the BS EN standards but found that the BS 3262 : Part 3 : 1989 was more applicable for our local use.

The deviations between this part of the standard and BS 3262 : Part 3 : 1989 are as follows :

<u>Clause / Subclause</u>	<u>Modifications</u>
1	Addition of 'red' thermoplastic material.
7	(a) (1) Substitution of '2.0 mm' in BS 3262-3 : 1989 with '1.5 mm'.

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

### 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 on hot-applied thermoplastic road marking materials – Part 3 : Application of material to road surfaces**

### **1 Scope**

This Part of SS 498 specifies the requirements for the application of white, yellow, red and black thermoplastic materials which are melted and applied hot to road surfaces, using screeded or sprayed methods, as thin superimposed markings for centre lines, edge lines, pedestrian crossing stripes and the like. It does not apply to thermoplastic materials intended to be inset into road surfaces.

Provision is made for the application of additional solid glass beads for the purposes of reflectorization.