

SS 109:1974(2023)
(ICS 29.040; 75.140)

SINGAPORE STANDARD

**Specification for bitumen-base filling
compounds for electrical purposes**

Erratum No. 1 (issued separately)

Confirmed and classified as a mature standard 2023

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Specification for bitumen-base filling compounds for electrical purposes

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Acknowledgements

The confirmation of this Singapore Standard and classifying it as a mature standard was approved on 20 January 2023 by the Chemical Standards Committee (CSC) under the purview of the Singapore Standards Council.

CSC consists of the following members:

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Chair	: Er. Lucas Ng	<i>Individual Capacity</i>
Deputy Chair	: Mr Law Tat Win	<i>Individual Capacity</i>
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Co-opted Members	: Mr Cheah Sin Moh Mr Kho Ho Meng Dr Loh Wah Sing Capt Rahul Choudhuri Mr Saunak Rai Assoc Prof Lanry Yung	<i>Individual Capacity Individual Capacity Individual Capacity Individual Capacity Individual Capacity Individual Capacity</i>

CSC set up the Technical Committee on Petroleum Processes and Products to carry out the confirmation of this standard. The Technical Committee consists of the following members:

	Name	Representation
Chair	: Mr Kho Ho Meng	<i>Individual Capacity</i>
Deputy Chair	: Mr Sundar Rajaraman	<i>Individual capacity</i>
Secretary	: Mr Teo Wen Liang	<i>Standards Development Organisation @ Singapore Chemical Industry Council</i>
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	Dr Ivan Sin Siang Meng	<i>National University of Singapore</i>
	Mr Soh Hong Chow	<i>SGS Testing & Control Services Pte Ltd</i>

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This Singapore Standard having been approved by the Chemical Industry Standards Committee was endorsed by the Standards Council on 28th January, 1974.

First published, 1974.

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

	Names	Organisations
Chairman:	Dr. Tan Eng Liang	Standards Council
Deputy Chairman:	Dr. Sim Keng Yeow	University of Singapore
Secretary:	Mrs. Lee-Yoong Ngeun Yoon	Singapore Institute of Standards and Industrial Research
Members:	Dr. Chow Peng Wai	Department of Chemistry, University of Singapore
	Mr. Chua Suay Bah	Institution of Engineers, Singapore.
	Mr. Ho Bo Lum	Federal Paint Factory (S) Pte Ltd
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	Dr. Lee Swee Yong	Department of Chemistry, Nanyang University
	Mr. Leong Mun Sum	Singapore Manufacturers' Association.
	Mr. Phang Sing Eng	Department of Chemistry, Ministry of Science and Technology
	Mr. Yeow Chee Tiong	Singapore Institute of Standards and Industrial Research

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

	Names	Organisations
Chairman:	Mr. Teo Ah Lim	—
Secretary:	Mrs. Lee-Yoong Ngeun Yoon	Singapore Institute of Standards and Industrial Research
Members:	Mr. Chang Meng Teng	—
	Mr. Chan Boon Poh	Malayan Bitumen Products (M) Ltd
	Mr. Huen Yeong Ching	—
	Mr. Lee Tzu Hong	Esso Singapore Pte Ltd
	Mr. Robert Lim	Public Works Department
	Mr. Loh Wah Sing	Singapore Institute of Standards and Industrial Research
	Mr. Low Siew Aik	Housing and Development Board

In order to keep abreast of progress in the industries concerned, Singapore Standards are subject to periodical review. The revisions of Singapore Standards are made by the issue either of amendment slips or of revised editions.

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**SPECIFICATION FOR BITUMEN-BASE FILLING COMPOUNDS
FOR ELECTRICAL PURPOSES**

FOREWORD

This specification was drawn up by the Technical Committee on Asphalt and Bituminous Products and approved by the Chemical Industry Standards Committee.

Acknowledgement is made for the use of information from the following references:

1. B.S. 1858 : 1957 Specification for Bitumen-Base Filling Compounds for Electrical Purposes.
2. IP Standard for Analysis and Methods for Testing.
Petroleum and its
Products, Part I
22nd Edition, 1963.

References were also made to the following Singapore Standards:

1. Singapore Standard 84 : 1972 Specification for Bitumen for Road Construction.
2. Singapore Standard 86 : 1972 Methods of Sampling and Testing Bitumens.

Acknowledgement is also made for the valuable contribution by Mr Chang Meng Teng who drew up the preliminary draft.

It is to be noted that the equivalent units are given within brackets.

1. SCOPE

This Singapore Standard specifies requirements for bitumen-base compounds, suitable for use as filling compounds which are subject to electrical stress in service. This standard does not cover oils and oil-resisting compounds.