

SRI LANKA STANDARD 539: 2020
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**SPECIFICATION FOR
ENAMEL PAINTS
(Second Revision)**

SRI LANKA STANDARDS INSTITUTION

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(Second Revision)**

SLS 539: 2020

Gr. 7

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Sri Lanka.**

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FOREWORD

This Sri Lanka Standard was approved by the Sectoral Committee on Chemical and Polymer Technology and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2020-05-05.

This Specification prescribes the requirements for enamel paints used for protection and decoration of surfaces. Enamel paint is normally applied as a painting system comprising of appropriate primer followed by the undercoating and the finishing enamel. It is desirable that the primer and the finishing enamel are obtained from the same manufacturer for satisfactory results.

This Specification was first published in 1981 and revised in 2010. This is the second revision to SLS 539. In this revision requirements for reducibility with Low aromatic white spirit and recoating properties have been introduced. The methods of determination of drying time, spreading capacity and resistance to water were updated. Limits for metals and the requirement for quantity of material have been reviewed. Considering the adverse impact on human health and safety the permissible limits of lead has been reduced from 600 ppm to 90 ppm.

For the purpose of deciding whether a particular requirement of this Specification is complied with, the value, observed or calculated expressing the result of a test or an analysis, shall be rounded off in accordance with **SLS 102**. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this specification.

In the preparation of this Specification the assistance derived from the following publications is gratefully acknowledged:

IS	133:2013	Enamel, interior: (a) undercoating (b) finishing - Specification
SANS	630:2009	Decorative high gloss enamel paints
SS	7:1998	Specification for Paint-finishing, gloss enamel

1 SCOPE

1.1 This Specification prescribes the requirements and methods of sampling and test for gloss, matt and satin enamel paint finishing used on primed surfaces and uncoated steel, wood, masonry, hard board, compressed fibre board and similar materials used in the construction and finishing of buildings.

1.2 This Specification does not cover automobile paints, water based enamel paint, paints applied for toys and accessories for children and paints used for defense purposes.