

SLS .762.1986

~~XXXXX~~ Sri Lanka Standard

SPECIFICATION FOR ELECTROPLATED COATINGS OF CHROMIUM  
FOR ENGINEERING APPLICATIONS

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FOREWORD

This Sri Lanka Standard was authorised for adoption and publication by the Council of the Sri Lanka Standards Institution on ~~05-11-14~~ after the draft finalised by the Drafting Committee on electroplating has been approved by the Mechanical Engineering Divisional Committee.

This standard applies to relatively thick chromium coatings, with or without undercoats, for engineering applications where those properties of chromium such as wear resistance, low coefficient of friction, and load bearing characteristics are important.

All values in this standard have been given in metric units.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or observation, shall be rounded off in accordance with CS 102. Number of figures to be retained in the rounded off values shall be the same as that of the specified value in this standard.

The assistance derived from the publications of the International Organization for Standardization, Standards Association of Australia, British Standards Institution and Indian Standards Institution in the preparation of this standard is gratefully acknowledged.

1. SCOPE

This standard specified requirements for electroplated coatings of hard chromium with or without undercoats on ferrous and non-ferrous metals for engineering applications.

2. REFERENCES

- CS 102 Presentation of numerical values
- SLS 689 Glossary of terms on electroplating and related processes
- ISO 1463 Metallic and oxide coatings - Measurement of coating thickness - Microscopical method
- ISO 2177 Metallic coatings - Measurement of coating thickness - Columetric method by anodic dissolution.
- ISO 2178 Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method.
- ISO 2819/1 Metallic coatings on metallic substrates - Electrodeposited and chemically deposited coatings - Review of methods available for testing adhesion.
- ISO 4516 Metallic and related coatings - Vickers and knoop microhardness tests.