

SRI LANKA STANDARD 908 : 1990

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**SPECIFICATION FOR
SILICA SAND FOR USE IN FOUNDRIES**

SRI LANKA STANDARDS INSTITUTION

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SLS 908 : 1990

Gr. 4

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FOREWORD

This standard was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 90.12.12, after the draft, finalized by the Drafting Committee on Foundry Industry, had been approved by the Mechanical Engineering Divisional Committee.

High silica sand is used in steel and cast iron foundries which demand very high refractoriness. These sands shall have well defined grading, preferred shape and size besides meeting the required chemical composition. The grain size, distribution and its shape are important as they affect the moulding characteristics of the sand mixture.

This sand also could be used in non-ferrous foundries where a very high silica content is not so essential for the reason that the temperatures encountered in non-ferrous foundries are not as high as those in ferrous foundries.

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

The Sri Lanka Standards Institution gratefully acknowledges the use of relevant publications of the Bureau of Indian Standards in the preparation of this standard.

1 SCOPE

This standard covers the requirements for silica sand used in ferrous and non-ferrous foundries.

2 REFERENCES

- SLS 102 Presentation of numerical values
- SLS 124 Test sieves
- SLS * Methods of chemical analysis of quartzite and high silica sand
- SLS 937 Methods of sampling foundry sands
- SLS 943 Methods of physical tests for foundry sands

3 TYPES

There shall be three types of silica sand used in foundries namely, natural sand, crushed sand and a mixture thereof.

* Under preparation