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SPECIFICATION FOR CERAMIC SINKS

SRI LANKA STANDARDS INSTITUION

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~~Draft~~ Sri Lanka Standard

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FOREWORD

This Sri Lanka Standard was authorized for adoption and publication by the Council of the Sri Lanka Standards Institution on [illegible] after the draft finalized by the drafting committee on sanitary appliances had been approved by the Civil Engineering Divisional Committee.

In Sri Lanka ceramic sinks are widely used in houses, hotels and laboratories General requirements for sanitaryware are covered in SLS 229.

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. 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.

In the preparation of this standard assistance obtained from the publications of the Indian Standards Institution is gratefully acknowledged.

1 SCOPE

This specification covers the requirements on construction, dimensions, finish and methods of sampling of ceramic sinks generally used in kitchens and laboratories.

2 REFERENCES

SLS 229 Sanitary appliances (vitreous china) General requirements.

3 MATERIALS

Materials used in the manufacture of ceramic sinks shall conform to the requirements specified in SLS 229

4 GENERAL REQUIREMENTS

General requirements specified in SLS 229 shall be applicable to ceramic sinks.

5. SPECIFIC REQUIREMENTS

5.1 Dimensions

Ceramic sinks suitable for use in kitchens and laboratories shall be of the following dimensions.

	Laboratory sinks	Kitchen sinks
Length	475 mm	610 mm
Width	325 mm	395 mm
Height	225 mm	245 mm
Hollow thickness	7.5 mm	7.5 mm
Solid thickneass	14.0 mm	14.0 mm

Sinks may be made in other sizes where so agreed between the purchaser and the manufacturer ; however, tolerance on dimensions shall be as given in 5.4.

5.2 Construction

Sink shall be of one piece construction with overflow arrangement. A circular waste hole shall be provided to drain the interor of the sink. The waste hole shall be either rebated or bevelled with an overall diameter of 80 mm and a depth of 10 mm to suit an appropriate waste fitting (see Fig.1).

The overflow shall have on opening of minimum area of 500 mm^2 and shall be located so that the centroid of the opening is atleast 30 mm below the top edge of the sink. The overflow shaft and the outlet shall have a minimum sectional areas of 500 mm^2 each. The distance from the edge to the centre of the waste hole shall be as shown in Fig. 1 and Fig.2.

Where so desired by the purchaser the sink shall be provided without a rim.

5.3 Dimensions and tolerances

Ceramic sinks shall conform to the dimensions shown in Fig.1 and Fig. 2. The thickness shall be as specified in SLS 229. The following tolerances shall be permissible on the dimensions specified :

On dimensions 75 mm and over	+ 2 per cent
On dimensions less than 75 mm	+ 2 mm
On dimensions of waste hole	+ 3 mm

6 MARKING

Ceramic sinks shall be clearly and indelibly marked at a place visible after the sinks are installed with the following :

a) trade mark of the manufacturer ; and
b) batch number or code or date of manufacture.

NOTE - "Attention is drawn to certification facilities offered by SLSI, see the inside back cover of this standard".

7 SAMPLING AND CRITERIA FOR CONFORMITY

7.1 Lot

All ceramic sinks manufactured under similar conditions of manufacture shall constitute a lot.

7.2 Scale of sampling

Samples selected at random from each lot shall be tested separately to ascertain that the sinks conform to the requirements of this specification. In order to ensure randomness of selection, the methods given in SLS 428 shall be followed.

The number of sinks to be sampled from a lot to be tested for the general and specific requirements shall be as given in Table 1.

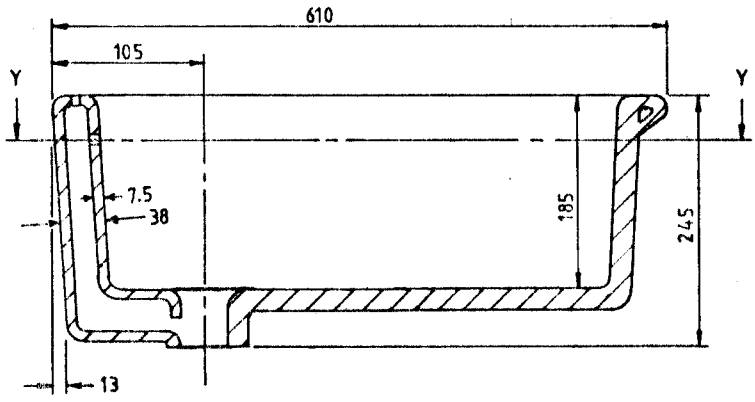
7.3 Criteria for conformity

The lot shall be considered as conforming to the requirements of the relevant characteristics, if the number of sinks failing to meet any of the characteristics prescribed is less than or equal to the acceptance number given in Coloumn 4 of Table 1.

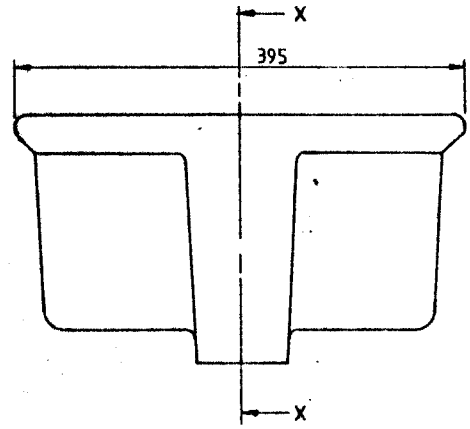
TABLE 1 - Scale of sampling and acceptance

(1) Characteristic	(2) Lot size	(3) Sample size	(4) Acceptance Number
General requirements (see 4)	8 or less	2	0
	9 to 15	3	0
	16 to 25	5	0
	26 to 50	8	0
	51 to 100	13	1
	101 or more	20	2
Specific requirements (see 5)	15 or less	5	0
	16 to 25	8	1
	26 to 50	13	2
	51 to 100	20	3
	101 or more	32	5

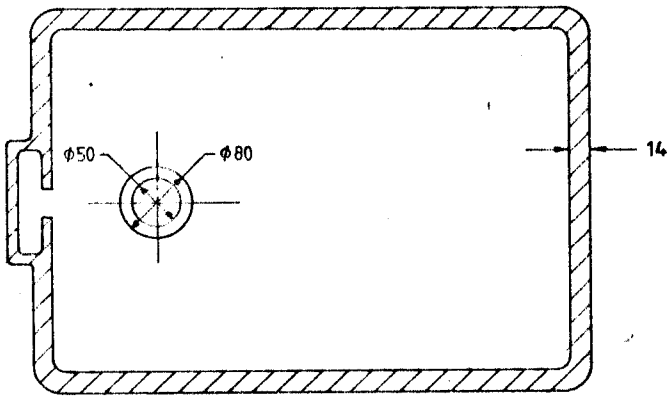
NOTE - The numbers given in Table 1 relate to the number of sinks.



Sectional front elevation on X-X



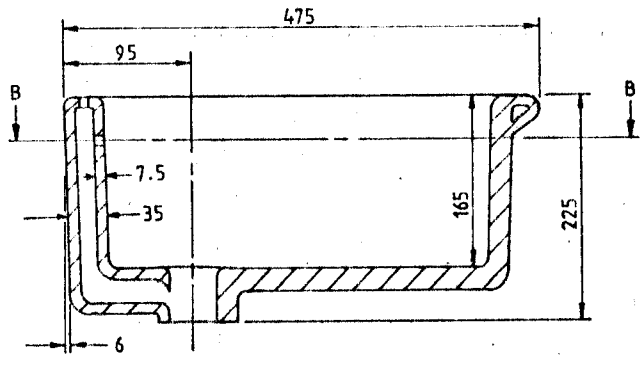
End elevation



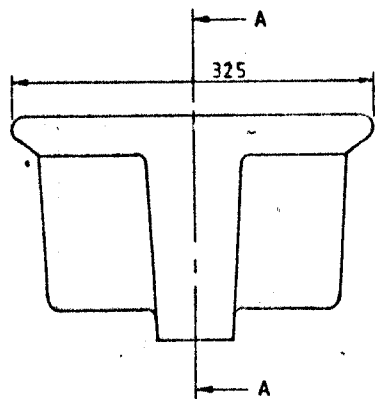
Sectional plan on Y-Y

All dimensions in millimetres

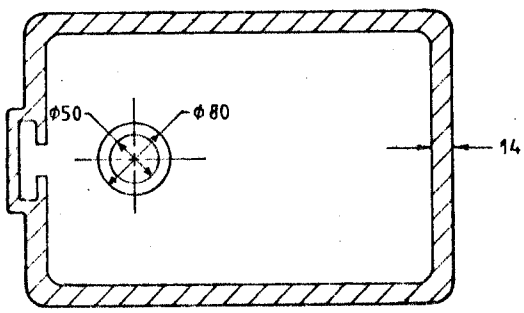
FIGURE 1 - Kitchen sink



Sectional front elevation on A-A



End elevation



Sectional plan on B-B

All dimensions in millimetres

FIGURE 2 - Laboratory sink