



National Standards Authority of Ireland

IRISH STANDARD

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METAL SINKS FOR DOMESTIC PURPOSES

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Údarás um Chaighdeán Náisiúnta na hÉireann

DECLARATION
OF
SPECIFICATION
ENTITLED
METAL SINKS FOR DOMESTIC PURPOSES
AS
THE IRISH STANDARD SPECIFICATION FOR
METAL SINKS FOR DOMESTIC PURPOSES

The Institute for Industrial Research and Standards in exercise of the power conferred by subsection (3) of section 20 of the Industrial Research and Standards Act, 1961 (No. 20 of 1961), and with the consent of the Minister for Industry and Commerce (signified by his Official Seal affixed hereto), hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Metal Sinks for Domestic Purposes) Declaration 1964.

2. (1) The specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Metal Sinks for Domestic Purposes.

(2) The said standard specification may be cited as Irish Standard 132 : 1964 or as I.S. 132 : 1964.

SCHEDULE

Metal Sinks for Domestic Purposes

SCOPE

1. This specification deals with metal sinks of the types detailed in Clause 3, and manufactured from stainless steel or from enamelled pressed steel.

DEFINITION

2. *Enamel.* For the purposes of this specification the term 'enamel' shall mean vitreous porcelain enamel applied either by the 'wet' or 'dry' process.

TYPES

3. Metal sinks shall be of one of the following types:—

TYPE A. A combined sink and draining board,

TYPE B. A combined sink and draining board with back ledge,

TYPE C. A combined sink and two draining boards,

TYPE D. A combined sink and two draining boards with back ledge,

TYPE E. A combined sink with draining board and worktop.

Typical illustrations of these sink types are shown in Figures 1 to 5.

MATERIALS

4. The materials shall comply with the following requirements:

(a) *Stainless steel* shall be either type En 58 A or En 60 of British Standard 1449 : 1957 Steel plate, sheet and strip, published by the British Standards Institution, London, or a composition of 5 per cent nickel, 18 per cent chromium and 8 per cent manganese. The thickness shall be not less than 0.036 in. (20 s.w.g.) (0.91 mm).

(b) *Pressed steel* shall be first quality steel suitable for enamelling. It shall have a thickness of not less than 0.0625 in. (16 B.G.) (1.59 mm). It shall be free from laminations, surface cracks and drawing fractures. Folded corners shall be welded.

DIMENSIONS

5. The overall dimensions of the various types shall be as follows:

Type	Overall length	Overall width
A	36 or 42 in. (0.91 or 1.07 m)	18 in. (0.46 m)
B	42 in. (1.07 m)	21 in. (0.53 m)
C	54 or 63 in. (1.37 or 1.6 m)	18 in. (0.46 m)
D	63 in. (1.6 m)	21 in. (0.53 m)
E	54 or 63 in. (1.37 or 1.6 m)	21 in. (0.53 m)

The dimensions shall be subject to a tolerance of plus $\frac{1}{8}$ in. (3.175 mm), minus $\frac{1}{4}$ in. (6.35 mm).

Bowl dimensions

The internal dimensions of the sink bowl shall be:

length $18\frac{1}{2}$ in. (0.47 m) minimum	{	for all sinks except those of 36 in. overall length where the minimum length shall be 15 in.
width 13 in. (0.33 m) minimum		
depth 7 in. (0.18 m) minimum		

The length and width shall be measured at the top of the bowl with a permissible taper of 7° for nesting purposes.

Rolls and edges

Typical details of rolls and external edges are shown in Fig. 6.

CONSTRUCTION AND FINISH

6. (a) *General.* The underside of metal sinks, inclusive of the draining boards, shall be treated in a permanent manner to minimize vibration and noise transmission.

Any welded surfaces shall be adequately cleaned inside and outside the bowl prior to the surface finishing process, and the method of welding adopted shall, for enamelled finish, be such as to provide a suitable surface for the reception of the enamel.

Provision shall be made, in an inconspicuous position, for the attachment of an earthing terminal.

(b) *Stainless steel types.* The upper surfaces of the draining boards and back ledge, interior of the sink bowl and all fascia surfaces of the roll surround shall be of either a 'satin' or 'bright polished' appearance. These surfaces shall be free from pitting, ripples and undulations due to faulty workmanship or material.

(c) *Enamelled pressed steel types.* All surfaces shall be enamelled by the application of a ground coat. A finishing cover coat, or coats, of enamel shall be applied to the interior of the sink bowl, the upper surfaces of the draining boards and back ledge, and all fascia surfaces of roll surround.

The front exterior surface of the sink bowl shall also have a finishing coat applied.

The enamelled surface shall be smooth and of visually good opacity, free from cracks, crazing, blow-holes and air bubbles. It shall also be acid and alkali resistant and shall meet the requirements of British Standard 1344 : 1947, Methods of testing vitreous enamel finishes, so far as the following properties are concerned:—

- (i) Resistance to acid test. Reagent—10 per cent citric acid solution.
- (ii) Resistance to alkali test. Reagent—5 per cent sodium carbonate solution.
- (iii) Resistance to abrasion. To withstand No. 6 powder.

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