

Vitreous and porcelain enamels — Apparatus for determination of resistance to hot detergent solutions used for washing textiles

The European Standard EN ISO 4535:1998 has the status of a British Standard

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Committees responsible for this standard

The preparation of this British Standard was entrusted by the Surface Coatings (other than Paints) Standards Committee (SRC/-) to Technical Committee SRC/7 upon which the following bodies were represented:

- Association of Manufacturers of Domestic Electrical Appliances
- Bcira
- British Bath Manufacturers' Association
- British Gas Corporation
- Consumer Standards Advisory Committee of BSI
- Electricity Supply Industry in England and Wales
- Institute of Vitreous Enamellers
- Metal Sink Manufacturers' Association
- Society of British Gas Industries
- Vitreous Enamel Development Council
- Coopted members

This British Standard, having been prepared under the direction of the Surface Coatings (other than Paints) Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 October 1984

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The following BSI references relate to the work on this standard:
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10426	May 2000	Renumbers the BS as BS EN ISO 4535:2000

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National foreword

This British Standard is the official English language version of EN ISO 4535:1998. It is dual numbered as BS 1344-19:2000. It supersedes BS 1344-19:1984 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee STI/36, Vitreous enamel coatings, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

BS 1344 is now published in 22 parts.

- *Part 1: Determination of resistance to thermal shock of coatings on articles other than cooking utensils and fabricated sheet steel components;*
- *Part 2: Resistance to citric acid at room temperature;*
- *Part 3: Determination of resistance to sulfuric acid at room temperature (now numbered as BS EN ISO 8290);*
- *Part 4: Resistance to abrasion (obsolescent);*
- *Part 5: Determination of resistance to hot detergent solutions used for washing textiles;*
- *Part 6: Resistance to alkali;*
- *Part 7: Determination of resistance to heat;*
- *Part 8: Determination of resistance to boiling citric acid;*
- *Part 9: Determination of resistance to boiling water and water vapour;*
- *Part 10: Determination of resistance to boiling hydrochloric acid vapour;*
- *Part 11: High voltage test for enamelled articles for service under highly corrosive conditions;*
- *Part 12: Production of specimens for testing coatings on sheet steel;*
- *Part 13: Production of specimens for testing coatings on cast iron;*
- *Part 14: Apparatus for testing with acid and neutral liquids and their vapours;*
- *Part 15: Apparatus for testing with alkaline liquids;*
- *Part 16: Resistance to thermal shock of coatings on cooking utensils;*
- *Part 17: Resistance to hot sodium hydroxide solution;*
- *Part 18: Determination of fluidity behaviour — Fusion flow test;*
- *Part 19: Apparatus for determination of resistance to hot detergent solutions used for washing textiles (now numbered as BS EN ISO 4535);*
- *Part 20: Low voltage test for detecting and locating defects;*
- *Part 21: Determination of the resistance of vitreous enamelled articles to impact — Pistol test;*
- *Part 22: Determination of resistance to thermal shock of coatings for fabricated sheet steel components such as burners and pan supports for cookers.*

BS ISO 4528 (in preparation) provides a guide to the selection of test methods for vitreous and porcelain enamelled areas of articles.

Various steels suitable for vitreous enamelling are described in BS EN 10208 and in BS 1449-2.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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