

SINGAPORE STANDARD

**Specification for dual flush low capacity
water closet (WC) up to 4.5/3.0 litres
capacity**

– Part 2 : WC pans



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The organisations in which the experts of the Working Group are involved are:

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Housing & Development Board

Institution of Engineers Singapore

Public Utilities Board

Real Estate Developers' Association of Singapore

SETSCO Services Pte Ltd

Singapore Sanitary Ware Importers & Exporters Association

Singapore Plumbing Society

TÜV SÜD PSB Pte Ltd

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Foreword

This Singapore Standard was prepared by a Working Group appointed by the Technical Committee on Building Maintenance and Management which is under the purview of the Building and Construction Standards Committee.

The principal objective of this part of this Singapore Standard is to stipulate the quality and standard required of WC pans intended for use with dual flush low capacity water closet (WC) flushing cisterns complying with Part 1 of this standard that are used in Singapore. This part of the Singapore Standard shall be used in conjunction with SS 574 : Part 1 'Specification for dual flush low capacity water closet (WC) up to 4.5/3.0 litres capacity – WC flushing cisterns'.

SS 574 : Parts 1 and 2 replace SS 378 : 1996 – 'Low capacity WC flushing cisterns up to 4.5 L maximum' and SS 379 : 1996 – 'Vitreous china WC pans for use with low capacity WC flushing cisterns up to 4.5 L maximum'.

In the preparation of this standard, reference was made to the following publications:

- | | | |
|-----|----------------------------------|---|
| 1. | AS 1172.1 : 2005 | Water closets (WC), Part 1 : Pans |
| 2. | AS 1172.2 : 1999 | Water closets (WC) pans of 6/3 L capacity or proven equivalent, Part 2 : Pans |
| 3. | AMSE A112.19.2-2008/CSA B45.1-08 | Ceramic plumbing fixtures |
| 4. | ASME A112.19.14-2006 | Six-liter water closet equipped with a dual flushing device |
| 5. | BS 3402 : 1969 | Quality of vitreous china sanitary appliances |
| 6. | BS EN 33 : 2003 | Pedestal WC pans with close-coupled flushing cistern – Connecting dimensions |
| 7. | BS EN 37 : 1999 | Pedestal WC pans with independent water supply – Connecting dimensions |
| 8. | BS EN 997 : 2003 | WC pans and WC suites with integral trap |
| 9. | BS EN 997 : 2012 | WC pans and WC suites with integral trap |
| 10. | SS 378 : 1996 | Low capacity WC flushing cisterns up to 4.5 L maximum |
| 11. | SS 379 : 1996 | Vitreous china WC pans for use with low capacity WC flushing cisterns up to 4.5 L maximum |

Acknowledgement is made for the use of information from the above publications.

At the time of publication, this standard is expected to be used by the national water agency PUB, manufacturers, suppliers and retailers of water closets, water closet flushing cisterns and water closet pans, testing bodies, professional engineers, licensed water service plumbers and qualified persons for building projects.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*
2. *An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.*
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Specification for dual flush low capacity water closet (WC) up to 4.5/3.0 litres capacity – Part 2 : WC pans

1 Scope

Part 2 of this Singapore Standard specifies requirements for water closet (WC) pans intended for use with dual flush low capacity WC flushing cisterns complying with Part 1 of this standard.

2 Normative references

The following referenced document is indispensable for the application of this standard. The latest edition of the referenced document (including any amendments) applies.

BS 3402 Quality of vitreous china sanitary appliances