

**SS 213:2022**  
(ICS 23.040.01; 91.140.80)

**SINGAPORE STANDARD**

**Specification for unplasticised PVC pipes and fittings for soil, waste and vent applications**



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## Foreword

This Singapore Standard was prepared by the Working Group on Unplasticised Polyvinyl Chloride (PVC) Pipes and Fittings for Soil, Waste and Vent Applications set up by the Technical Committee on Building Maintenance and Management under the purview of the Building and Construction Standards Committee.

The standard is a revision of SS 213:1998, "Specification for unplasticised PVC pipes and fittings for soil, waste and vent applications". The major changes in this standard includes the updated unplasticised polyvinyl chloride (uPVC) fittings for soil, waste and vent applications. This revision brings the standard up-to-date and makes it more comprehensive by incorporating provisions made in the latest relevant international and overseas standards.

Permission has also been sought from the following organisations for the reproduction and adaptation of materials from their publications into this standard:

1. British Standards Limited (BSI)
  - BS 4514:2001 Unplasticized PVC soil and ventilating pipes of 82.4 mm minimum mean outside diameter, and fittings and accessories of 82.4 mm and of other sizes. Specification
2. European Committee for Standardization (CEN)
  - EN 1329-1:2020 Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure. Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system
  - EN 1401-1:2019 Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system
3. Standards Australia
  - AS 1462.18-1988 Methods of test for unplasticized PVC (UPVC) pipes and fittings – Methods for determination of PVC and titanium dioxide content
  - AS/NZS 1260:2017 PVC-U pipes and fittings for drain, waste and vent applications

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

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3. *Compliance with a SS or TR does not exempt users from any legal obligations.*

# Specification for unplasticised PVC pipes and fittings for soil, waste and vent applications

## 1 Scope

This Singapore Standard specifies requirements for uPVC pipes, fittings and accessories for soil, waste and vent applications above ground and for indoor use.

## 2 Normative references

The following referenced documents are indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 907	Specification for dial gauges for linear measurement
BS EN 1253-1	Gullies for buildings – Trapped floor gullies with a depth water seal of at least 50 mm
BS EN 14814	Adhesives for thermoplastic piping systems for fluids under pressure. Specifications
ISO 3126	Plastics piping systems – Plastics components – Determination of dimensions
SS 270	Specification for elastomeric seals for joints in pipework and pipelines