



ADOPTABLE SEWER

Guidance
for Scotland

Sewers for Adoption (4th Edition)



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Guidance
Document

Sewers for Adoption 4th Edition (SFS4) is the technical specification for the design and construction of sewerage infrastructure.

SFS4 specifies that contractors installing PVC-U sewers should follow one of the following two routes to comply:

Solid Wall Pipes

1. Unplasticised PVC pipes, joints and fittings for gravity sewers shall comply with the relevant provisions of BS 4660 and BS EN 1401-1.
2. Solvent cements for jointing unplasticised PVC pipes shall comply with the relevant provisions of BS EN 14814. For pipes and fittings complying with BS 4660, BS EN 13598-1 or BS EN 1401-1, solvent cement may alternatively comply with BS EN 14680.
3. Solvent cements for jointing unplasticised PVC pipes shall not be used for below-ground use.

4.2.21 Unplasticised PVC Pipes And Fittings

Structured Wall Pipes

1. Thermoplastics structured wall sewer pipe shall comply with the relevant provisions of BS EN 13476-1 and WIS 4-35-01 and BS EN 13476-2 or BS EN 13476-3 with the following properties:
 - a) Maximum length of pipe for laying to be 3 m or $10 \times D$, whichever is the greater, unless welded joints are used;
 - b) Pipe nominal short-term ring stiffness to be not less than 8 kN per m^2 for pipes less than or equal to 500 mm in diameter;
 - c) Pipe nominal-short term ring stiffness to be not less than 2 kN per m^2 for pipes greater than 500 mm in diameter;
 - d) Long-term deformation to be less than 6% of the vertical nominal pipe diameter;
 - e) Factor of safety against buckling to be not less than 2.5
 - f) Pipes shall be BSi Kitemarked or have equivalent Third Party Certification.
2. Transportation, handling, storage and laying are to be in accordance with the manufacturer's recommendations.

4.2.22 Thermoplastics Structured Wall Pipe



Adoptable Sewer



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Brett Martin's Adoptable Sewer system includes; solid wall PVC-U pipe in 250mm, 315mm and 400mm diameters certified to EN 1401-1, structured wall pipe in 110mm and 160mm certified to EN 13476-2 and a comprehensive range of fittings including couplers, bends and branches, adaptors and plugs which are manufactured or certified to EN 1401-1

The range complies with the conditions for Adoptable Sewer in adherence to Sewers for Adoption 4th Edition (SFS4).

Applications:

For use in new build and refurbishment projects where the drains are required to be adopted by the sewerage or water authority.

Key Benefits

- Complies with Sewers for Adoption 4th Edition (SFS4)
- Pipe and fittings are manufactured under a quality management system certified to ISO 9001:2015
- Lightweight and simple to install
- Pipes and fittings compliant with EN 1401-1
- Integrated lip seal to make jointing quicker
- Available in 3m and 6m lengths



Our Solid Wall Offering

Pipes EN 1401-1

250mm, 315mm & 400mm

Single Socket Pipe - 3m & 6m

Plain End Pipe - 6m

Couplers EN 1401-1

250mm, 315mm & 400mm

Double Socket PVC and PVC (Slip) Couplers

Bends, Single Socket EN1401-1

250mm, 315mm & 400mm

15°, 30°, 45° & 87½° Single Socket Bends

Branches, Double Socket EN1401-1

250mm x (110mm, 160mm, 200mm, 250mm)

315mm x (110mm, 160mm, 200mm, 250mm, 315mm)

45° & 87½° Double Socket Branch

Adaptors & Plugs

250mm, 315mm, 400mm Single Socket Level Invert Taper (Reduces To Next Diameter Down)

250mm, 315mm, 400mm Socket Plug

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