

PT/412/1117 - AS (November 2017)

Assessment Schedule for the Weholite piping system with welded joints for gravity drainage, sewerage and flow attenuation as manufactured by Asset International Ltd



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1. SCOPE

This schedule specifies characteristics for the Weholite pipe system for sewers, drains and attenuation tanks with welded joints as manufactured by Asset International Ltd. It is applicable to large diameter structured wall pipe made from high density polyethylene (HDPE) for gravity or low pressure use.

It is not applicable to pipes joined using external pipe couplers or welded joints undertaken by welders not accredited by Asset International.

2. PRODUCT DESCRIPTION

2.1 Introduction

The system comprises a factory fabricated pipe made from extruded box section, automatically spirally wound and machine welded to the required pipe diameter in a diameter range between 900mm and 3500mm and in any length. Manifolds, stubs, and accesses are manually fabricated.

2.2 Relevant Standards

The following relevant standards were identified for drainage structures that meet the requirements of the UK sewerage undertakers:

- Sewers for Adoption, 7th edition⁽¹⁾
- Sewers for Scotland, 3rd edition⁽²⁾
- BS EN 752⁽³⁾
- BS EN 13476-1⁽⁴⁾

- BS EN 13476-2⁽⁵⁾

Materials used shall comply with:

- BS EN 13476-2; Annex E

2.3 Approval History

The Weholite pipe system first received WRc Approved certification in October 1996. This is the fourth re-approval and this Assessment Schedule supersedes the previous schedules:

- PT/003/1096-AS
- PT/175/0303-AS
- PT/270/1007-AS
- PT/340/1112-AS

3. TESTING AND REQUIREMENTS

3.1 Type Testing

The Weholite pipe system shall comply with the following test requirements:

- BS EN 13476-2; Annex G and I, and Clauses 8.1.1, 9.1.1, 9.1.2 and 9.1.3.

3.2 Product Design

The Weholite pipe system shall be designed in accordance with:

- BS EN 1295-1⁽⁶⁾

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3.3 Manufacture

To ensure the quality and performance of the Weholite pipe system, the manufacturing process shall include appropriate systems for:

- Verification of component materials received are to specification
- Handling and storage of all component materials and finished units
- Records of quality control procedures and pressure tests
- Inspection and maintenance of welding tools
- Detailed drawings for work pieces
- Fabrication of bespoke sections and quality of workmanship

The production of the Weholite pipe system and related Quality Control procedures shall comply with requirements to ensure the stated performance of the product is reliably achieved.

3.4 Installation

When installed in accordance with the installation documentation⁽⁷⁾, the installation shall be practicable and suitable for conditions that could reasonably be expected on site.

4. APPROVAL

The Weholite pipe system has been audited and has successfully met all of the requirements stated within this assessment schedule.

Signed:

A handwritten signature in black ink, appearing to read 'Frank Hoy', written over a white background within a rectangular box.

5. REFERENCES

1. Sewers for Adoption, 7th edition, 2012.
2. Sewers for Scotland, 3rd edition, 2015.
3. BS EN 752:2017 Drain and sewer systems outside buildings.
4. BS EN 13476-1:2007 Plastics piping systems for non-pressure underground drainage and sewerage. Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE). General requirements and performance characteristics
5. BS EN 13476-2:2007: Plastics piping systems for non-pressure underground drainage and sewerage. Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE). Specifications for pipes and fittings

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with smooth internal and external
surface and the system, Type A

6. BS EN 1295-1:1997 Structural
design of buried pipelines under
various conditions of loading.
General requirements, (Under
review)
7. Asset International Weholite
installation guide:2006