PT/547/1225-AS (May 2026)

Assessment Schedule for the Premier Pipe+ CIPP liner as manufactured by OnSite Central Ltd.

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1. SCOPE

This schedule specifies the requirements for the Premier Pipe+ Cured-In-Place Pipe (CIPP) liner as manufactured by OnSite Central Ltd. for rehabilitation of circular gravity drains and sewers.

2. PRODUCT DESCRIPTION

2.1 Introduction

The Premier Pipe+ CIPP liner can be used to renovate pipe diameters ranging between 100mm and 300mm for lengths in excess of 300m in a single installation.

The process involves inversion of a flexible lining material, usually made of polyester or fiberglass fibres that is impregnated with a thermo-setting resin, into the damaged pipe. The lining is then inflated using air or water pressure, pressing it tightly to the inner surface of the host pipe. The lining is then cured using steam or hot water.

Liners are designed as per ASTM F1216-24a[1] using bespoke software, by a suitably trained engineer. Table 1 lists recommended minimum wall thicknesses for the Premier Pipe+ CIPP liner.

Table 1 Minimum recommended thickness for Premier Pipe+ liners

Pipe Diameter (mm)	Min. Finished Lining Thickness (mm)
100	3
150	3
175	3
200	5
225	5
250	5
300	6

2.2 Applicable standards

The following standard is applicable to this product:

- BS EN ISO 11296-4:2018+A1:2021[2]

2.3 Approval History

This is the first WRc Approved certification for the Premier Pipe+ CIPP liner.

3. REQUIREMENTS AND TESTING

3.1 General

The internal surface of the Premier Pipe+ CIPP liner shall be smooth, clean and free from scoring, cavities, wrinkling and other surface defects that would prevent the liners from meeting the general fitness for purpose requirement.

3.2 Materials and components

The resin system must comply with BS EN ISO 11296-4:2018+A1:2021, Clause 5.3, Table 2.

3.3 Type Testing

Mechanical Characteristics

The Premier Pipe+ CIPP liner shall meet the requirements of BS EN ISO 11296-4:2018+A1:2021 by achieving the testing results declared in Table 2.

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Table 2 Declared values for Premier Pipe+ liners

Characteristic	Declared Value
Initial specific ring stiffness	Minimum: ≥0.25 Declared: 0.59 kPa
Short term flexural modulus	1500 MPa
Long term flexural modulus	500 MPa
Short term flexural strength	50 MPa
Flexural stress at first break	20 MPa
Flexural strain at first break	Minimum: ≥0.75% Declared: 2.05%
Poisson's ratio	0.41

Leaktightness testing

When tested in accordance with the WIS 4-34-07[3] test procedure, the Premier Pipe+ CIPP liner achieved a Class 1 pass (no infiltration) for Test 1 (Type C, liner only).

Mechanical Resistance

The liner mechanical resistance shall be demonstrated by calculation in accordance with ASTM F1216-24a.

3.4 Manufacture

To ensure the quality and performance of the Premier Pipe+ CIPP liner, the manufacturing process shall include appropriate systems for the:

- Specification of component materials.
- Verification component materials received are to specification.
- Handling and storage of all component materials and finished linings.
- Detailed drawing / schedule for lining manufacture.
- Manufacture / assembly of Premier Pipe+ CIPP linings, and
- Fabrication and quality control of workmanship.

The production of the Premier Pipe+ CIPP liner and related quality control procedures shall comply with requirements to ensure that the stated performance of the product is reliably achieved.

3.5 Installation

When installed in accordance with the installation documentation[4], the Premier Pipe+ CIPP liner shall be reasonably expected to perform as described.

4. APPROVAL

The Premier Pipe+ CIPP liner has been audited and successfully met all the requirements stated within this assessment schedule.

Signed:

Valid until 16th December 2030

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5. REFERENCES

1. ASTM F1216-24a Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube.

2. BS EN ISO 11296-4:2018+A1:2021 Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Lining with cured-in-place pipes.

3. WIS 4-34-07 Issue 1 Specification for leak tightness testing of cured-in-place-pipe lining systems for gravity sewer rehabilitation, October 2025.

4. Installation manual for “Premier Pipe+” cured-in-place pipe (CIPP) liners air inversion, Issue No. 1.0, dated 01/09/2025.

   Installation manual for “Premier Pipe+” cured-in-place pipe (CIPP) liners water inversion, Issue No. 1.0, dated 01/09/2025.

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