

1. SCOPE

This schedule specifies the requirements for the procedures and working methods used by IWJS for the installation of Saertex as defined in the Saertex installation manuals.

2. SERVICE DESCRIPTION

2.1 Introduction

IWJS provide a service to install the Saertex UV cure M, S⁺ and E liners in accordance with Saertex installation manuals⁽¹⁾ for pipe diameter range(s).

Table 1 Liner types and diameter range

Liner Type	Circular host pipe (mm)	Non-circular host pipe (major dim mm)
M	100-400	n/a
S ⁺	150-1600	375-1425
E	150-600	n/a

2.2 Applicable Standards

The following relevant documentation was identified for drain and sewer rehabilitation using cured-in-place pipe repair systems:

- Saertex installation manual version 10.1 March 2018.
- ISO 11296-4, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks. Lining with cured-in-place pipes, May 2018.

2.3 Approval History

This is the first certification for IWJS for installation of Saertex lining systems.

3. REQUIREMENTS AND TESTING

3.1 Installation Procedures

IWJS shall undertake the installation of the supplied Saertex liner in accordance with the Saertex installation manual(s). The cured liner shall not be modified.

Evidence as proof of adherence to the installation manual by submissions or auditing is a requirement for the following:

- Training records of installation teams.
- Procedures and historic records for collection of site data for the design of the lining and installation of liner.
- Storage and handling of lining pre-installation.
- Design.
- Records of site installation of lining.
- Material properties test results from installed liners by IWJS shall meet the declared mechanical and characteristic values of the named liner.

Table 2 Saertex Liner Type M liner declared mechanical characteristics

Characteristics	Declared
Short-term flexural modulus	7,000 MPa
Short term stress at first break	200 MPa

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**Assessment Schedule for the Installation by
IWJS of the Saertex M, S⁺ and E UV cure
CIPP lining systems**



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**Table 3 Saertex Liner Type S⁺ liner
declared mechanical characteristics**

Characteristics	Declared
Short-term flexural modulus	16.800 MPa
Short term stress at first break	250 MPa

**Table 4 Saertex Liner Type E liner
declared mechanical characteristics**

Characteristics	Declared
Short-term flexural modulus	13,800 MPa
Short term stress at first break	210 MPa

4. APPROVAL

IWJS has been audited and has successfully met all the requirements stated within this assessment schedule.

Signed:

KA Adams

Valid until 26 May 2023

5. REFERENCES

1. Saertex installation manual version 10.1 March 2018
2. ISO 11296-4, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks. Lining with cured-in-place pipes, 2018.