

1. SCOPE

This schedule specifies the requirements for Terra Solutions Ltd. to undertake installation of the BRAWOLINER® liner system for gravity pipe renovation inside buildings and underground for wastewater applications as defined in the WRC Approved Assessment Schedule PT/542/0325-AS.

2. SERVICE DESCRIPTION

2.1 Introduction

Terra Solutions Ltd. provide a service to install the BRAWOLINER® liner system in accordance with the installation documentation⁽¹⁾.

2.2 Applicable standards

The following standard is applicable to the installation of the BRAWOLINER® liner system:

- BS EN 11296-4:2018+A1:2021⁽²⁾.

2.3 Approval History

This is the first WRC Approved® certification for Terra Solutions Ltd. for the installation of the BRAWOLINER® liner system.

3. REQUIREMENTS AND TESTING

3.1 Installation Procedures

Terra Solutions Ltd. shall undertake the installation of the supplied BRAWOLINER® liner system in accordance with the installation documentation.

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

- Training records of installation team(s).
- Quality checks undertaken upon taking delivery of the BRAWOLINER® liner system.
- Storage and handling of the BRAWOLINER® liner system pre-installation.
- Liner design.
- Records of site installations of the BRAWOLINER® liner system.
- Maintenance schedule for installation equipment.
- WRC auditing site installation of the BRAWOLINER® liner system.

3.2 Testing

Material property test results from installed liners to demonstrate they meet BRAWOLINER® liner system declared mechanical characteristic values.

Characteristic	Declared value
Resin: BRAWO I & II	
Short-term flexural modulus	2,200 MPa
Short-term flexural stress at first break	44.29 MPa
Short-term flexural strain at first break	1.8%
Resin: BRAWO UVPox51	
Short-term flexural modulus	2,100 MPa

CT/042/0826-AS (August 2026)

**Assessment Schedule for the installation
of the BRAWOLINER® liner system by
Terra Solutions Ltd.**



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Short-term flexural stress at first break	30 MPa
Short-term flexural strain at first break	1.1%
Resin: BRAWO LR	
Short-term flexural modulus	2,000 MPa
Short-term flexural stress at first break	28 MPa
Short-term flexural strain at first break	1.7%
Resin: BRAWO HT	
Short-term flexural modulus	2,650 MPa
Short-term flexural stress at first break	52.5 MPa
Short-term flexural strain at first break	1.3%

4. APPROVAL

Terra Solutions Ltd. have been audited for the installation of the BRAWOLINER® liner system and successfully met all the requirements stated within this assessment schedule.

Signed:

Valid until 06 August 2028

5. REFERENCES

1. Process Instructions – BRAWOLINER® Rehabilitation Process – 01/2022.

Process Instructions – Rehabilitation Process BRAWOLINER® - Light Curing – 05/2023.
2. BS EN 11296-4:2018+A1:2021, Plastic piping systems for renovation of underground non-pressure drainage and sewerage networks. Lining with cured-in-place pipes.