

Overview

IKT Test Centre for Building Products



Vertical compression test on a reinforced-concrete pipe

The IKT Test Centre for Building Products is a testing, supervisory and certification body accredited with the **German Institute for Construction Technology** (DIBt) in Berlin in accordance with European Standards (DIN EN ISO/IEC 17025 (**Accreditation**)). This covers selected mechanical and technical tests for polymeric components of pipe and CIPP liner systems, and for **GRP laminate**. This assures for our customers an extremely high level of technical expertise, combined with IKT's strict independence and impartiality.

Test services



IKT is accredited with the DAkkS National Accreditation Body for tests on CIPP liners and plastics

The IKT provides the following services for **network operators** and **product manufacturers**:

- On-site supervisory services (e.g. cured-in-place “CIPP”-liners)
- Materials testing in accordance with local and European standards
- Initial and validation testing of products and methods
- Tests for national technical approvals (DIBt approvals)
- Practical product and system tests for Quality Assurance
- Individually tailored bespoke tests

Testing is performed on **materials**, **products** and **methods** of use in drain/sewer systems in IKT’s air-conditioned plastics laboratory and test building.



The IKT is a DIBt-accredited test centre for building products

The IKT Test Centre for Building Products, with its **highly specialised range of equipment**, is able to perform materials testing of both mineral materials and plastics. Construction and refurbishing methods can be applied to prepare test specimens at our facility and tested under practical conditions in our large-scale test facility to obtain technical approvals.

On-site supervision

The IKT Test Centre also provides on-site support for network operators, construction supervision and Quality Assurance for renovation projects. It also undertakes damage analysis and **assessment of deficiencies** in both renovation and new construction projects.

Focus on CIPP liners



Three-point bending test on a CIPP-Liner

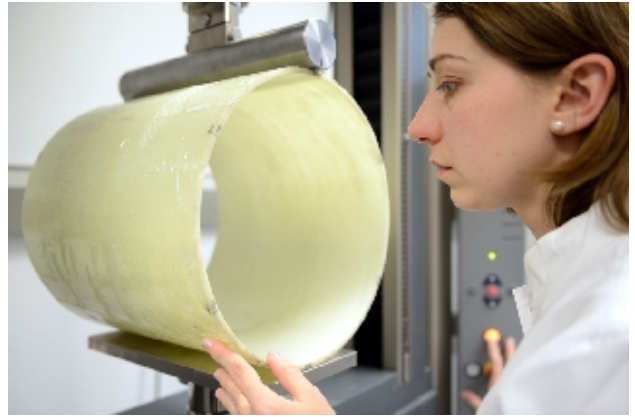
One special focus is the evaluation of cured-in-place (CIPP) liners for sewer networks. The IKT Test Centre publishes data on the performances of both CIPP liners and contractors each year in its IKT LinerReport.

The IKT Test Centre for Building Products tests and evaluates:

Renovation and repair methods:

- CIPP liners
- Short-liners and sleeves
- Grouting and injection resins
- Coatings (mortar and plastics)
- Linings

Construction products:



Crown pressure test on a CIPP liner

- Concrete pipes
- Reinforced-concrete pipes
- Vitrified-clay pipes
- Plastic pipes
- Manhole structures

Materials:

- Elastomers (sealing agents)
- Solidified concrete
- Plastics

Examples of IKT testing services: Building materials, building products and building methods



First accredited
test centre for
CIPP liners in
the Netherlands:
Material samples
from
rehabilitated
sewers are put
through their
paces in the
laboratory of IKT
NL.



Testing water-
permeable surface
coatings

