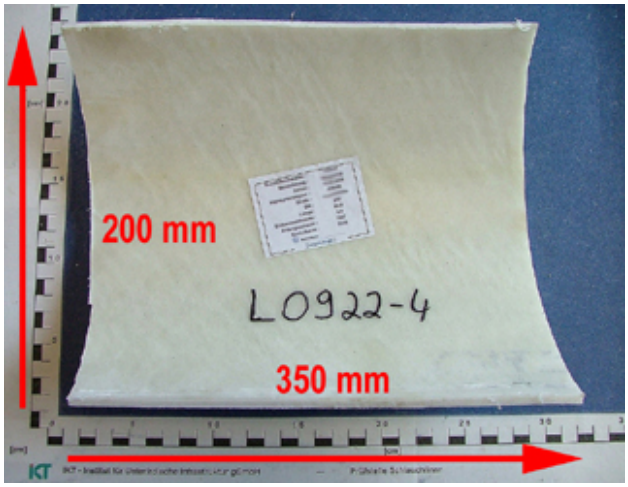
# CIPP liners: Site samples

**CIPP liners: Site samples**


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

A **representative sample** of an installed liner needs to be taken on-site before testing in the IKT laboratory. Samples of CIPP liners which are cured by UV light (“UV-curing liners”) should be packed in light-tight film or foil before being taken out of the manhole.



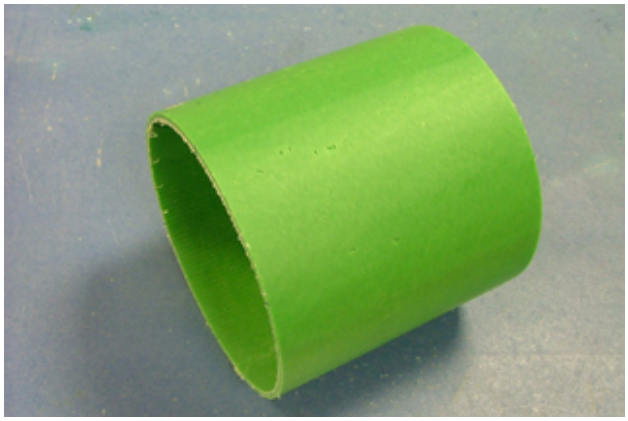
Site sample of CIPP liner: 200 mm x 350 mm

## CIPP liners larger than DN 200

The necessary dimensions of such liner samples are:

- Total wall thickness **up to 10 mm**:
  Sample must measure not less than 200 mm x 350 mm
- Total wall thickness **greater than 10 mm**:
  - Circumferential direction: 20 x total wall thickness
  - Longitudinal direction: 350 mm

## CIPP liners up to DN 200 and sewer lateral liners



Sewer lateral liner site sample

A complete circular ring should be taken for the vertical-compression test if on-site circumstances permit this.
Necessary sample length:
**Pipe diameter + 50 mm**

Examples:

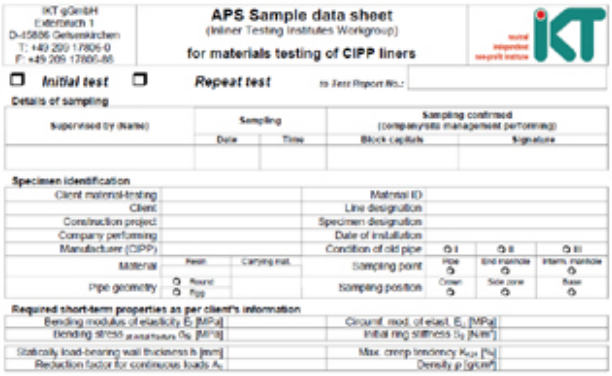
- Pipe DN 150: Sample length = 200 mm
- Pipe DN 200: Sample length = 250 mm

## DSC analysis


Sample for DSC analysis: 20 mm

diameter necessary

A round liner sample of approx. **20 mm diameter** is sufficient as a sample for DSC analysis performed on epoxy resins.



APS Sample data sheet
(Inliner Testing Institutes Workgroup)
for materials testing of CIPP liners

Initial test  Repeat test

Details of sampling

Specimen identification

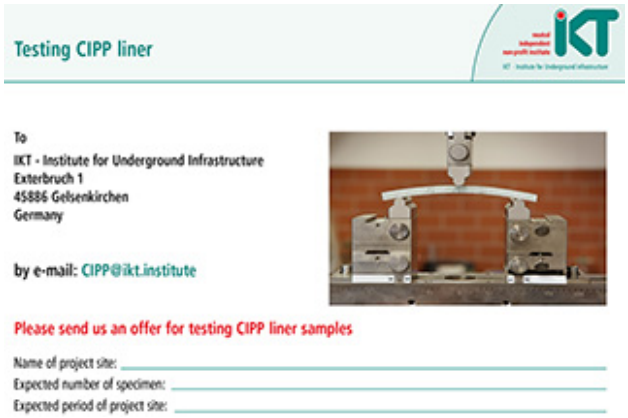
Required short-term properties as per client's information

Sample data sheet

# Sample data sheet
# Materials testing of CIPP liners

Please enclose this form when you send us your samples. This ensures that your sample can be correctly identified.
Please complete a sample data sheet for each individual site sample you send us.

Sample data sheet for CIPP liners


Testing CIPP liner

To
IKT - Institute for Underground Infrastructure
Exterbruch 1
45886 Gelsenkirchen
Germany

by e-mail: CIPP@ikt.institute

Please send us an offer for testing CIPP liner samples

Name of project site: _____
Expected number of specimen: _____
Expected period of project site: _____

Request for quotation CIPP liners

# Request for quotation
# Materials testing of CIPP liners

Do you require standard or expanded-scope tests?
We will provide a quotation tailored to your needs, to ensure that your QA requirements are met.

Request for quotation CIPP liners

CIPP liner test standards

## CIPP liner test standards

The minimum scope of testing for CIPP liners consists of the three-point bending test for determination of modulus of elasticity and bending stress, and the water tightness test.

Further tests are available, as defined in the ZTV Materials Testing (CIPP liner test standards), which make it possible to determine the quality of CIPP liners even more precisely.

CIPP liner test standards

## Taking of a sample

CIPP liner: Taking a sample in a manhole

## Contact

The IKT is a DIBt-accredited

test centre for building products

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