

2.2.61 PEKAPLAST – System

Procedure:

Process group:

Installation procedure

The procedure used for renovation (full or partial lining) in man-entry pipelines and constructions.

Operating Range:

Diameters from 600 mm upwards

Cross-sectional shapes, circular, ovoid and special profiles

Material:

Polyethylen (PE-HD) normal use

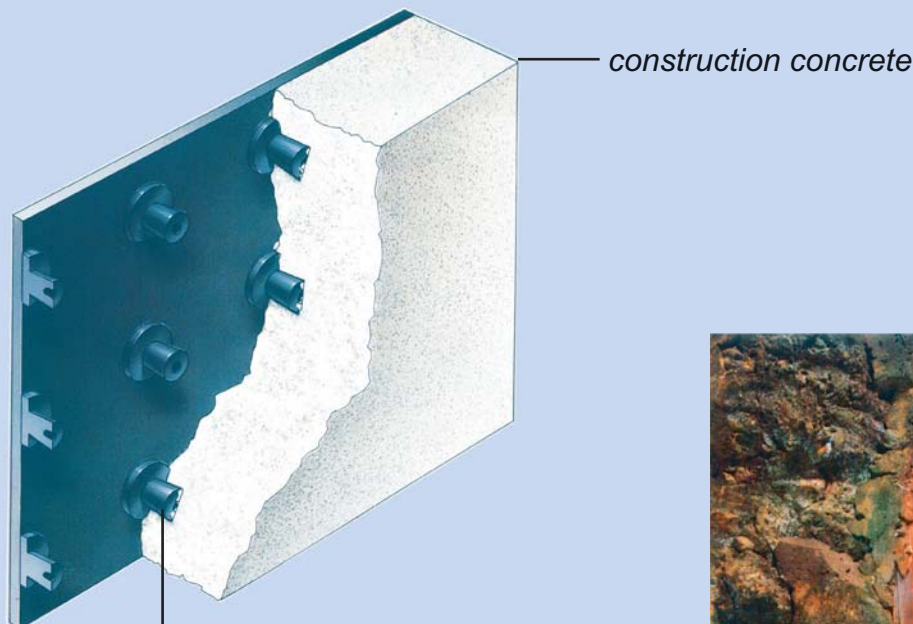
Polypropylen PP or Polypropylene

Polyvinylidenflouride PVDV for special purposes

The sheets are fitted with a definite number of conical anchor stubs.

Implementation:

The individual sheet elements are inserted as liner sections into the pipeline being renovated from an existing manhole or from another open entry point and joined together. The circular space left between the new lining and the original pipe wall is filled using a special quick setting liquid cement. After hardening the joints of the liner are welded tight using an extruder thus providing a complete new water-tight pipe within the older sewer line. The seams are checked per radio-electrical means after completion of the work. When necessary a pressure test using water can be made.



*mechanical anchoring
using anchoring stubs*



KRT Sewer Rehabilitation Technology

- *gas and water tightness of the sealed system*
- *equal mechanical attaching of the inner pipe to the original carrier pipe*
- *no differential expansion caused by different expansion coefficients of concrete and plastics*
- *Corrosion and chemical resistance of the lined sewer, against concentrated acids and alkaline liquids within the scope of the extensive resistance lists which are available.*
- *Reliability through extensive experience of lining operations in acidic protection in an environment where strong mechanical, thermal, and chemical demands are present.*
- *Higher flow speeds, reduced sedimentation resulting in less decomposition and accumulation of H₂S are the result of the smooth anti-adhesive surface of the lining.*
- *Rodent hostile environment*
- *Repetitive repairs possible*
- *High level of hit toughness high loading*
- *Strong close fitting jointing with the concrete pipe which cannot be undone.*

