

FRIATEC'S DOUBLE ELASTOMER PROVIDES FLEXIBILITY SEWAGE PRESSURE LINE ALONG THE RHÖNEXPRESS CYCLE ROUTE



Flanged access covers are provided in the manhole for later inspections



The project

Markt Wildflecken is home to just under 3000 inhabitants in three communities. Bordering the Schwarze Berge nature preserve about 30 km north of Bad Kissingen, it forms part of the interstate UNESCO Biosphere Reserve Rhön.

Threading its way for over 26 km through Wildflecken and the neighbouring communities of Riedenberg, Bad Brückenau, and Zeitlofs is the Rhönexpress cycle route, from the Main to the Rhön. It has been approved for walkers and cyclists over its whole length. The cycle route was laid over the former railway tracks from Wildflecken to Zeitlofs.

At the same time, a sewage pressure line was also installed for the two aged clarification plants serving Wildflecken and the Oberbach community. This line is about 2500 m long, consists of PE 100 d 355 SDR 17, and is designed for a maximum operating pressure of 10 bar.

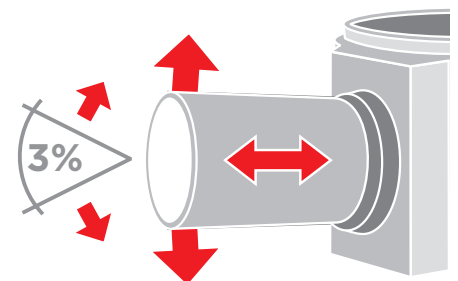
Markt Wildflecken is planning the long term construction of a new, modern clarification plant. The exact location has not yet been determined.

The solution

Robert Zehe Planungsbüro designs its inspection chambers for flexibility.

Both vertical and horizontal movements (subsidence and axial tension) of the PE pipes are possible thanks to the FRIAFIT inspection chamber connection system consisting of a sewage inspection chamber adapter ASF and sewage insert sleeve AEM.

Following installation, the two elastomeric sealing rings and the water swelling ring on the FRIAFIT sewage insert sleeve (AEM) provide an articulated connection to the manhole, with safe deflections up to 3° in any direction.



Project:

Building site:
Developer:
Construction company:

FRIAFIT products:



Additional
Information

Rhönexpress cycle route Wildflecken - Oberbach

Wildflecken
Markt Wildflecken
Zehe GmbH, Burkardroth-
Premich
Sewage inspection chamber
adapter ASF d 355
Sewage insert sleeve AEM d 355
Coupler AM SDR 17 d 355
ASA UNI Spigot saddle with
outlet spigot SDR 17