



Make things happen. **HOBAS®**

CC-GRP Potable WaterLine® for Middle Germany

Imagine An about 1.5 km long steel pipeline from the early seventies needed to be replaced in Unterröblingen, Germany, to ensure the potable water supply for the brown coal plant Romonta LTD as well as for all connected municipalities. The client opted for HOBAS CC-GRP WaterLine for its easy handling and for economical reasons.



Since the line runs through an old industrial area with ecologically damaged terrain, it was the client's high concern to choose the right pipe material which would withstand highly aggressive soil and which would not allow any diffusion whatsoever. Absolute leak tightness from in and outside the pipeline are essential for clean and hygienic potable water. The water supplier MIDEWA in Middle Germany who distributes potable water over a total network length of 4900 km sees it as their responsibility to provide their mainly private customers as well as middle-scale enterprises with a sufficient quantity of high quality drinking water. HOBAS CC-GRP Pipe Systems and their characteristics lend themselves to the project regarding the difficult terrain and the aggressive soils, as well as the enormous cost pressure supply water utilities suffer from in Germany.

The construction works for the 1.5 km long HOBAS CC-GRP WaterLine started end of November 2005 and the first of the three construction phases was already completed in Mai 2006. HOBAS CC-GRP WaterLine Pipes produced by HOBAS Pipe Germany were delivered in a standard length of 6 m with sealing caps on both ends to keep the inside clean preventing additional disinfection efforts. It should also be mentioned that HOBAS Pipe Germany produces the WaterLine in an eye-catching blue colour to distinguish these

pressure pipes certified for potable water from other product lines, such as the SewerLine, BridgeLine etc..

Being the contractor as well as the constructor, it is an advantage to MIDEWA that the construction can be executed with two pipe layers, a machinist and a laborer only and as little gear as a wheel loader, an excavator and a plate vibrator. A noteworthy advantage of HOBAS CC-GRP Pipes concerning the installation is their light weight which facilitates the handling on site considerably. They can be easily moved in the narrow pipe trenches and are quickly joined by hand thanks to their push-to-fit HOBAS Couplings which are pre-mounted on one pipe end.

A flexibility in materials choice for the client is ensured through the compatibility of HOBAS CC-GRP Pipe Systems with e.g. cast iron pipes and fittings which were also utilized in this project.



HOBAS CC-GRP Pipe Systems, which have been tested and approved by the water authorities of various countries such as Austria, Croatia, Czech Republic, Germany, Norway, Romania, Spain, Switzerland, Turkey, UK, USA, Italy, etc., have thus found their way into the Middle German potable water network as first GRP Pipe ever.

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Overview	
Year of Construction	2005 - 2006
Total length of pipe	approx. 1.5 km
Pressure Class	PN 10
Diameter	DN 400
Installation Method	Open trench
Application	WaterLine®
Client	MIDEWA Merseburg
Contractor	MIDEWA Lutherstadt Eisleben
Advantages	light weight, easy handling high resistance against aggressive soils, custom-made components