

# NC Sewer Line for Smurfit Kappa Paper Mill

## HOBAS® supplies NC Industrial Profiles for paper plant in Upper Austria

At the paper factory Smurfit Kappa Nettingsdorf, the old concrete sewer pipeline 800/1200 mm had to be renovated. HOBAS Austria supplied the optimal pipes to meet the very high requirements of this rehabilitation project.

The Smurfit Kappa Group is Europe's leading corrugated packaging company and one of the leading paper-based packaging companies in the world. An inspection of the existing concrete sewer line 800/1200 mm at the Smurfit Kappa paper mill in Nettingsdorf, Upper Austria, in early 2015 revealed severe damages: The sewer had deformed over time due to the very high groundwater table and the industrial wastewater's high operating temperatures (70° C permanent and 90-95° C short-term). It was no longer capable of withstanding the challenging operating conditions and had to be renovated.

The client sought for a quick and safe solution under the condition that the rehabilitation works would be realized during regular plant operations – stopping the production for the time of installation was not an option. Due to the continuous traffic around the plant and the limited storage area on site, the planners decided to realize the project by mean of trenchless relining and with just-in-time deliveries.

HOBAS produced special non-circular egg profiles with a cross-section of 520/910 mm and a wall thickness of 20 mm. A specific, highly durable vinyl ester resin was used in production to meet the very high operating requirements and allow for the requested flow rate. The relining rehabilitation of the 345 m long pipeline started in August 2015 and was finished right on schedule in the course of a few weeks. The client is very satisfied with his decision to work with HOBAS.

Fmd: [hobas.austria@hobas.com](mailto:hobas.austria@hobas.com)



Year of Construction

**2015**

Construction Time

**7 weeks**

Total Length of Pipe

**345 m**

Diameter

**520/910 mm**

Wall Thickness

**20 mm**

Application

**Rehabilitation of industrial sewer line**

Installation Method

**Relining**

Client

**Smurfit Kappa**

**Nettingsdorf**

Contractor

**Felbermayr Bau GmbH &**

**Co KG**

Designer

**ZT Machawetz & Partner,**

**TB Harald Winkler**

Advantages

**Quick and safe installation under challenging conditions; resistance to chemicals, high groundwater pressure and high operating temperatures**

