



RAUVITHERM - PRE-INSULATED PIPE SYSTEMS

NATURAL HEAT FROM BIOGAS TO THE SCHÖNAU-BRUCK LOCALITIES

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Project:

Local heating network for the biogas plant, Unertl / Reiter, Schönau
Bruck 13
D-84337 Schönau

Local heating network operator:

Landtechnik Schmied
Bruck 12
D-84337 Schönau

Description of project:

The Johannes Unertl biogas plant in Bruck, Schönau has been running problem-free for years. The substrate mainly consists of self-produced maize silage. The biogas produced in three digesters generates green electricity in the co-generator, which is then fed into the grid. Rising energy prices and subsidy legislation in respect of combined heat and power generation in Germany mean that the heat from the co-generator is now fed into a local heating network. The co-generator now supplies natural heat to the Bruck neighbourhood, a farm plus an agricultural engineering business that includes a workshop and a body shop.

Special features:

A flexible, easily laid pipe system was required for the agricultural engineering business. The new RAUVITHERM local heating system from REHAU meets these requirements and was therefore the first choice of client, Landtechnik Schmied, and the company carrying out the laying work.

Its corrugated casing and flexible insulation meant that RAUVITHERM DUO 63 with an outer diameter of > 200 mm was able to be laid without the use of any special apparatus.

The compact core insulation plus the low heat conduction of the PEX foam layer mean that heat loss is minimised and it was possible to obtain a total of 70,000 Euro in subsidies from the KfW (Reconstruction Loan Corporation) for the overall project in the Bruck neighbourhood.



The task of laying RAUVITHERM in open trenches can be facilitated by using an unwinding unit.



The soft insulation means that the pipe can be laid easily and quickly, with low associated personnel costs.



The high degree of flexibility provided by the corrugated casing makes the task of threading the pipe into house connections a lot easier.