

HOBAS® Tanks in the Northern Limestone Alps



The inhabitants of Pürgg in Austria are very pleased with their high quality potable water. The picturesque village is set on a small plateau in the south falls of mountainous Rantenstein and runs right up to the ridge of the Totes Gebirge ("Dead Mountains") of the northern Limestone Alps. Pürgg is therefore attractive to both tourists and alpinists.

To ensure the potable water supply for the approximately 1000 villagers an overhead tank holding 120 m³ of water was established. Difficult access to the site, ISO certification as well as numerous strict quality and hygiene requirements set by the Austrian legislation had to be considered when the water association of Pürgg went about finding the right product. A further important point was trafficability with agricultural vehicles up to a total weight of 30 tons.

HOBAS CC-GRP Potable Water Tanks easily fulfilled all set requirements. Due to the material's low weight they are applicable also in topographicaly challenging terrain. Short production times and a quick installation made the client's decision for HOBAS Products even easier.

The potable water tank consists of 2 parallel water chambers DN 2400 and a prior service and valve chamber of the same size. The water chambers which are connected to the valve chamber are accessible through DN 800 manholes. A stainless steel door allows entering the valve chamber from the front end.

Three trucks delivered the tank elements that were prefabricated at HOBAS Pipe Austria. Six hours later they were assembled and installed in the prepared pit. The absolutely leak-tight tank went into operation after one week and is ever since smoothly providing potable water for the inhabitants.

Thanks to the worldwide unique machining of the pipe segments with the waterjet cutter at the HOBAS Factory in Wietersdorf, Austria, it was possible to produce this custom made tank within three weeks only. Computer assisted steering enabled fast and precise cutting and drilling. Laminating the individual components reduced the production time as well.

Ready to welcome tourists to their quaint little village, the municipality Pürgg is more than happy with the high quality products and professional project management by HOBAS.

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Year of Construction

2007

Duration of Construction

6 hours

Pressure Class

PN 1

Stiffness Class

SN 5000

Diameter

DN 2400

Installation Method

open cut

Application

ShaftLine®

Client

Water Association Pürgg

Contractor

equadrat, Weng at Admont

Advantages

short installation time,

leak-tight system,

excellent structural properties

