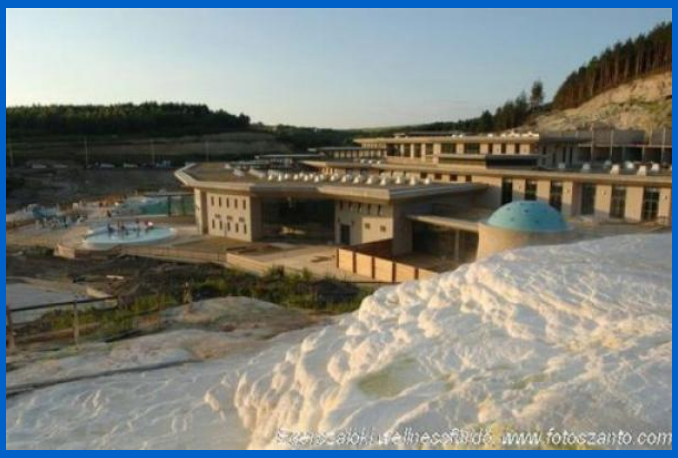
References

Thermal Bath in Egerszalók



Uponor involvement

4500

Thermal Bath in Egerszalók

The real sight of Egerszalók is the thermal well springing in the Southern part of the village, and the travertine hill created by the running water, which became known as the "salt-hill" over the years.

Project Facts:

Location
Egerszalók, Hungary

Completion
2006

Building Type
Sports facilities

Product systems
Radiant Heating & Cooling, Multilayer Pipe Systems, PEX Pipe Systems

Project Type
New building

Partners

enduser
Egerszalók Önkormányzat
Egerszalók, Sáfrány utca 7

investor
Paracelsus 2000 Kft
3348 Szilvásvárad, Egri utca 4

developer
Egerszalók Önkormányzat
Egerszalók, Sáfrány utca 7

contractor
Strabag Rt.
Daróci út 30. 1113 - Budapest

architect
Egri Építész Iroda Kft
3300 Eger, Dobó u. 18.

specifier
Forma Zrt.
8360 Keszthely Rákóczi u. 3.

installer
Hexatech Kft

The 65-68 °C medicinal water, which is very rich in minerals, is continuously building the compelling, crenelated white formations. The calcium-magnesium-hydrogen carbonated medicinal water, which also contains sodium, and metasilicic acid, has been classified as one of the best in its category. Over the years the travertine hill became the symbol and trademark of the area. There are two similar ones in the world to this unique natural formation in Europe, in Pamukkale, in the Asian part of Turkey, and in Yellowstone National Park, USA. The first well was drilled in 1961 in searching for oil and gas, the second drilling was done in 1987. In August 2011, half century anniversary was celebrated in the framework of the Medicinal Water Feast. After their sanctification in fall of 2010, the wells were named Mária and Vendel.
The holy picture of Wonder-working Mária is in the catholic church of Egerszalók, while Saint Vendel is the patron saint of the springs and wells.

The famous bath of Egerszalók has been renovated with the installation of Uponor systems

The facility has 1,900 m2 of water surface in a total of 17 outside and inside pools. Sit-bath pools, effervescent bath, fun pools, children's pools and slides provide an enjoyable pastime for all ranges. In the above facility, the Uponor pre-insulated piping system, and the Uponor underfloor heating and water supply systems were installed, which have the advantage of the cross-linked Pe-Xa supply pipes. Besides the memory effect, the cross-linked Pe-Xa pipe is highly resistive to the various deposits on the internal surface of the pipe. This is necessary, since the springing well water has a very high mineral content, which may deposit quite rapidly in the traditional systems, risking the safe operation of the systems. The state-of-the-art Uponor supply pipe systems have to meet the highest requirements for safety, durability, loading capacity and energy efficiency. Pipelines consist of Pe-Xa operating pipes covered by EVOH layer against oxygen diffusion, and corrugated protective pipes to provide the pipeline protection against mechanical damages. The operating pipe is insulated with multi-layer, non-aging, closed-cell Pe-Xa foam. The utilization of these can be different by different building types, they are often

used in hotels, office and commercial buildings, in agricultural areas and in residential houses as well. Besides the heating or cooling medium, these pipes can carry drinking water, service hot water, food, or even chemicals. By using the pre-insulated pipeline system made of Uponor Pe-Xa operating pipe, long-term pipelines can be installed, which can transport the liquids inside and outside of the building with minimum heat loss. The system provides a complete solution for heating, cooling, cold and service hot water systems' tasks.

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