Références

Concrete core activation České Budějovice Research Library



Implication d'Uponor

- Contec ON system 700 m2 incl. underlay for concrete finish, 14x2.0 mm piping and Contec ON module. Main distribution pipelines PE-Xa 40 mm.

Concrete core activation České Budějovice Research Library

Heating and cooling using the Contec ON in The Research Library.
Heating and cooling of the new research library with the Contec ON concrete core activation system

Connaissance du projet

Location
České Budějovice, Czech Republic

Achèvement des travaux
2020

Type de construction
Bâtiment tertiaire

Product systems
Systèmes rayonnants rafraîchissants

Type de projet
Nouveau bâtiment

Partenaires

- ČIS ČB

Books require year-round indoor temperature

This building with a total ground area of 1,000 m^2 is equipped with the Contec ON concrete core activation system for year round temperature control of the interior climate within the required limits (between 20 and 26 °C summer/winter). Due to the options on offer, the entire system is fed from one place through ten outlets using PE-Xa 40 mm piping, to which separate modules for activation of the Contec ON system are connected by Tichelmann distributor. It is a one-storey building with a completely glazed façade without any shade whatsoever. With regard to these circumstances, a study was conducted using a 3D model with dynamic simulation of changing temperatures and burdens. The Contec ON system is capable of covering all temperature requirements all year round.

Concrete core activation České Budějovice Research Library











Adresse

Uponor France
523 Cours du 3° Millénaire
69800 Saint-Priest,
France

Téléphone +33 (0)4 74 95 70 70
W www.uponor.com