Building report

e:nergycarbon
energy efficient ceiling heating

Underfloor heating / cooling

System IDEAL BASIC EPS 30 & E-NERGY CARBON FLEECE

Renovation of the church of St Martin, in 4042 Trstenik, Slovenia

The parish has had the nave refurbished. The **IDEAL BASIC EPS 30** hydraulic system was used for future temperature control in the pew area. **COMPACT FLOOR EXPERT 15** was chosen as the thermal conductive layer, as it fulfils all the technical requirements for this type of building. In addition, the **E-NERGY CARBON FLEECE** electric heating foils were laid on the **EXPERT 15** as on-demand heating. These ensure that the floor heats up quickly before events.

Type	Church
Size	300 m²
Surface heating	IDEAL BASIC EPS 30 E-NERGY CARBON FLEECE
Area	Nave



Construction

1	Tiles	
2	Tile adhesive approx. 2 mm per layer	4 mm
3	E-NERGY CARBON FLEECE	0.4 mm
4	COMPACT FLOOR EXPERT 15	15 mm
5	Separating layer	
6	IDEAL BASIC EPS 30 + System pipe (16 mm)	30 mm
7	Support batten (30 mm)	
8	Edge insulation strips EPS | NEO	
9	Moisture barrier if necessary	
		50 mm









