



Project report
All plastic pipe PE-Xc-O2

St. Jakob-Park (known as Joggeli) football stadium
CH-4001 Basel / Birsstrasse 320

Project description

At St. Jakob-Park, there had been shifts in the individual turf layers with integrated turf heating in recent years. Upgrades were necessary and the turf was completely replaced for the Women's European Championships. The existing heating pipes were also removed when the turf layers were removed. New all-plastic PE-Xc-O2 25 × 2.3 mm pipes from HakaGerodur AG were installed again 27 cm below the turf surface.

The entire planning and implementation of the conventional turf heating system was carried out by rasenplan GmbH as the full service provider.



Existing turf heating

The existing PE-X pipes were cut off close to the distributor bar. The existing distributor over the entire width of the turf remained in place. The new pipes were connected to the existing pipe sections using press couplings.



Delivery/provision of pipes



Assembly technology



The spacing of the installation rails was measured using wooden templates. The installation rails were attached to the sand with special nails.



In the bends, the pipes were additionally fastened

Additional impressions



Project details

Construction site

Stadion St. Jakob-Park
CH-4001 Basel

Client

Stadion St. Jakob-Park

Construction period

June – July 2024

Heating area

Approx. 68 x 105 m

Planning and execution

rasenplan GmbH
CH-4125 Riehen
www.rasenplan.com

Subsoil and turf

Sportstättenbau
Garten Moser
DE-73457 Essingen

Products used

- All-plastic pipes PE-Xc-O2 25 x 2.3 mm
24,282 m – 114 heating circuits of 213 m
- Brass press couplings 25 – 25 equal
- Installation rails PVC D25



 HakaGerodur

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