



REHAU UNDERFLOOR HEATING SYSTEMS

RAUTHERMEX AND REHAU TACKER SYSTEM

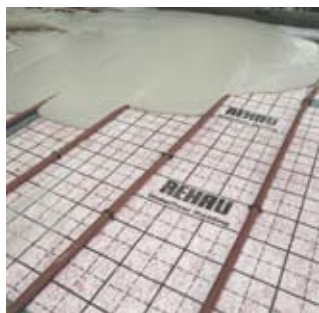
REHAU have installed a complete heating solution for the newly built Craighielaw golf club, East Lothian. The Golf Club, which is situated 20 miles from Edinburgh, boasts some of the most beautiful coastal scenery there is on offer in Scotland.

The new clubhouse, which was completed July 2003 features both the REHAU Underfloor heating system and REHAU RAUTHERMEX - a pre-insulated underground pipe system. Both systems were specified by Enconsult Consultants of Fife and were installed by REHAU Authorised Partner Lothian Heating Services.

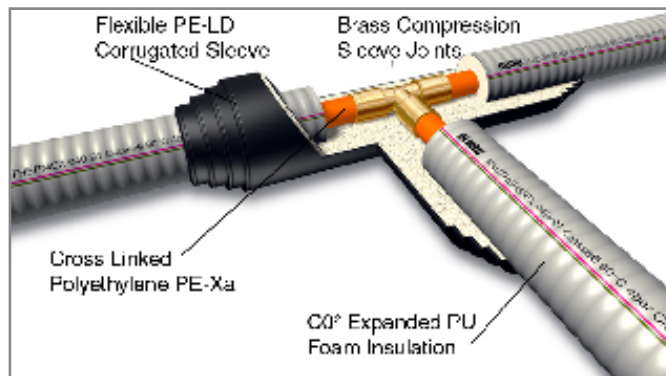
The underfloor heating system heats the club professional's shop, restaurant and bar areas, changing rooms and offices, and was installed using REHAU's fast and cost effective Tacker system. With the Tacker system the pipework is laid directly onto expanded polystyrene boards, pre-laminated with a fabric reinforced water resistant foil, and is fixed using a specially designed staple gun.

REHAU RAUTHERM Universal PE-Xa 20mm pipe was laid in a series of circuits which were controlled by three 10 port

distribution manifolds. Each manifold incorporates a REHAU Compact Mixer unit - a fixed flow temperature system, ideal for regulating underfloor heating flow temperatures for domestic and small commercial installations. To service the clubhouse with its' hot and cold water and the heated water needed to run the underfloor heating system an outer building was converted into a plant room which is situated 30ft away from the clubhouse. A weather compensated condensing boiler has been installed which is an ideal heat source for running an underfloor heating system due to the constant heat demands required.



RAUTHERMEX features a main carrier pipe which is the same PE-Xa pipe used for the REHAU underfloor heating system, which has a special orange UV barrier coating to give the pipe extra protection. The pipe is then insulated using a CO2 expanded PU foam, which not only protects the pipe but it is watertight and



optimises heat insulation. The whole system is then protected by a flexible PE-LD corrugated sleeve allowing the pipe to be bent and shaped with ease.

RAUTHERMEX is available in single or double lines from 20 to 63mm diameter in coils of up to 760m, making it suitable for most applications.

As part of its portfolio of products for Heating, Cooling and Plumbing solutions REHAU offers - A flexible heating and plumbing pipework system - suitable for all hot and cold water, and central heating applications - Underfloor cooling

All systems use RAUTHERM Universal PE-Xa pipe, which is manufactured from high density cross-linked Polyethylene (HDPE) with an EVAL oxygen barrier. Its construction gives it a number of unique benefits when compared to more common pipe solutions

- it has excellent mechanical strength, increased temperature and pressure resistance, it is very flexible and any kinks that occur can be removed by simply applying heat. Its red opacity barrier also allows the pipe to be used for all Heating and Plumbing application and it is approved to BS7291.



REHAU UK Sales Offices

London
The Building Centre
26 Store Street
London
WC1E 7BT

Slough
Units J & K
Langley Business Centre
Station Road
Langley, Slough
SL3 8DS

Manchester
Brinell Drive
Irlam
Manchester
M44 5BL

Birmingham
Tameside Drive
Holford Way
Witton
Birmingham
B6 7AY

Glasgow
Phoenix House
Phoenix Crescent
Strathclyde Business
Park, Bellshill, North
Lanarkshire, ML4 3N

Dublin
9 St John's Court
Business Park
Swords Road
Santry
Dublin 9, Eire

Tel: 0207 5806155
Fax: 0207 3078595

Tel: 01753 588500
Fax: 01753 588501

Tel: 0161 7777 400
Fax: 0161 7777 401

Tel: 0121 344 2300
Fax: 0121 344 2301

Tel: 01698 503700
Fax: 01698 503701

Tel: 00353 (0) 1 8165020
Fax: 00353 (0) 1 8165021