

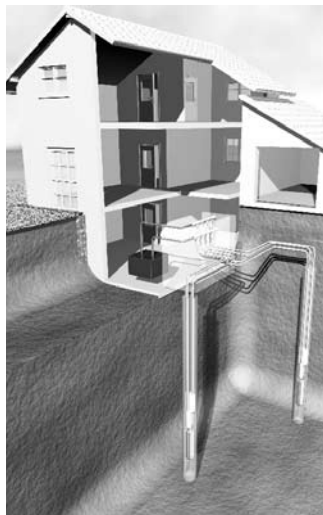


REHAU RAUGEO GEOTHERMAL PROBES

GROUND SOURCE HEATING AND COOLING

GROUND SOURCE HEATING AND COOLING

BURY AND FORGET



REHAU RAUGEO Probe System



REHAU RAUGEO PE-Xa Probe Tip

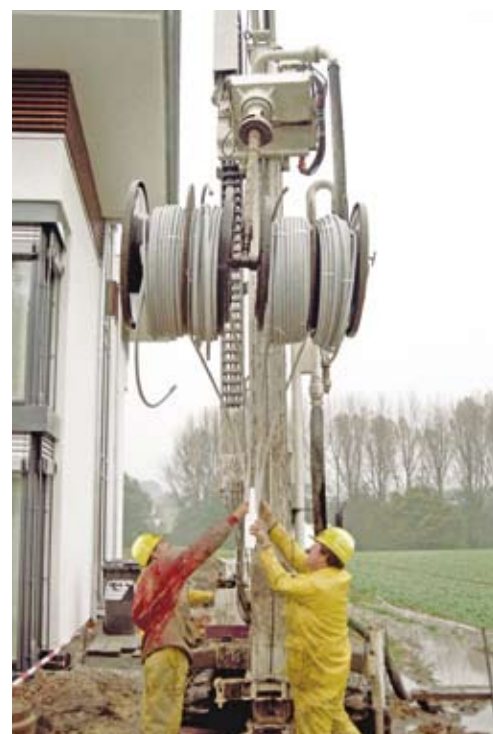
WHY USE PE-Xa RATHER THAN PE?

It provides peace of mind for customers and professional installers alike – bury and forget. REHAU's PE-Xa probes are made of cross-linked Polyethylene. This is done by cross-linking PE molecular chains, giving the pipe excellent physical properties including:

- **No jointing** means **no weak point** and **no potential joint failure** at the probe tip. The diagram to the left shows how the pipe is bended at the bottom of the probe. This is possible due to the tight bending radii of our specially manufactured PE-Xa pipe.
- High resistance to notches, grooves and puncture loads, even with rough treatment on site. This resistance prevents potential probe damage, which PE probes are susceptible to.
- Only PE-Xa can be used at temperatures of up to 95 °C and hence, is ideal for ground source heating and cooling applications. Additionally, excess heat in the summer can also be put back into the ground (the ground is an excellent thermal store) and then the heat can then be brought back up in the winter, thus improving the performance.
- Lower pressure losses due to smooth pipe inner surface
- Longer lifespan of PE-Xa over PE

RAUGEO PE-Xa PROBE PROPERTIES

- PE-Xa probes have no joints at the probe tip
- The probe tip is reinforced by a tough fibreglass resin
- Simple insertion of the probes as our double U-loop probe system is interlinked, rather than parallel, which decreases the overall diameter of the probe.
- Boreholes from 70m to 150m



Insertion of PE-Xa Probe

REHAU UK Sales Offices

London

The Building Centre
26 Store Street
London
WC1E 7BT

Tel: 0207 5806155
Fax: 0207 3078595

Slough

Units 5 J & K
Langley Business Centre
Station Road
Langley, Slough
SL3 8DS

Tel: 01753 588500
Fax: 01753 588501

Manchester

Brinell Drive
Irlam
Manchester
M44 5BL

Tel: 0161 7777 400
Fax: 0161 7777 401

Birmingham

Tameside Drive
Holford Way
Witton
Birmingham
B6 7AY

Tel: 0121 344 2300
Fax: 0121 344 2301

Glasgow

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

Tel: 01698 503700
Fax: 01698 503701

Dublin

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

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