PLASTIC MATERIALS

District heating system

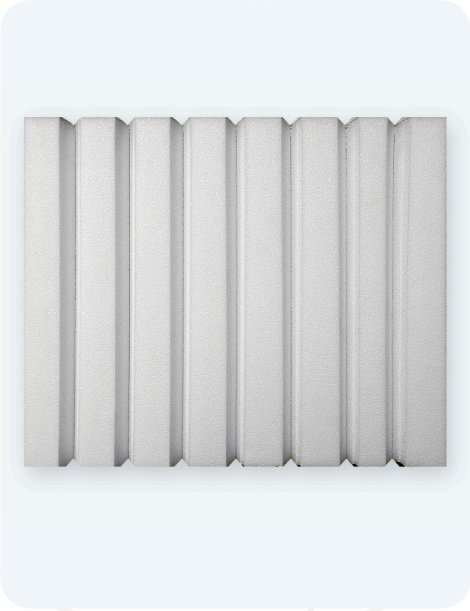
Underground district heating pipes move when the temperature changes. This creates stress at bends and junctions.

Feinrohren District Pad is an expansion pad in cross-linked, closed-cell polyethylene foam (XPE). It takes up the pipe movement and protects the network.

The pad is **certified to EN 13941-1** (Type 2: Average). With our laminate rolls, it forms a complete system.

Applications

- **Pipe bends**
- **Junctions & T-joints**
- **Curved sections and branches**
- **Protection from soil**



Feinrohren District Pad

The pad protects pre-insulated pipes from thermal stress at bends and junctions. It is made of white XPE foam with closed cells, density 30 kg/m³. After compression, it goes back to its shape, and it lasts for a long time. The smart V-cut design lets you shape the pad around curved pipe sections.

Standard size: 2000 × 1000 × 40 mm. Narrower widths from 120 mm.

Key benefits

- **Low water absorption**
- **30+ years service life**
- **Halogen-free**
- **Easy to shape**
- **Certified EN 13941-1**
- **−40 °C to +95 °C**



Laminate rolls

To complete the system, we supply protective laminate rolls in high-quality white XPE foam.

Wrap the band around the installed pads. It shields the system against soil, moisture and sand between the grooves.

Thickness: 5 mm (80 m roll) or 4 mm (100 m roll).
Width: 1000 mm.

System parts

- **V-cut pads**
- **Laminate rolls**
- **Pad widths 120–2000 mm**
- **Standard size 2000 × 1000 × 40 mm**

HEADQUARTERS
Via Generale Reverberi, 8 | 25050 Passirano (BS) - Italy
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Features

Pipe bends
Pads at the bend take up the movement of the pipe.

Curved sections and branches
The V-cut design follows the shape of the pipe.

Long service life
Made to work for more than 30 years in the ground.

Junctions and T-joints
Pads protect branch points from thermal stress.

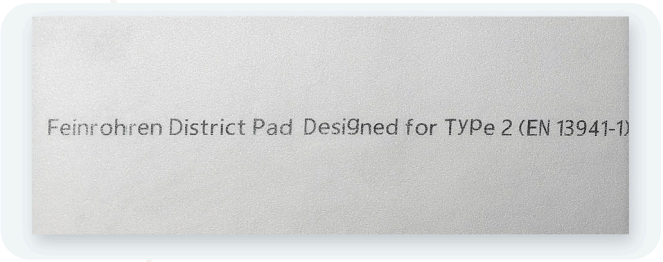
Protection from soil
Laminate rolls keep soil, moisture and sand out of the grooves.

Certified quality
Certified to EN 13941-1, Type 2: Average, by FFI in Germany.

Installation

First, place the pads where the pipe moves, for example at bends and junctions. Then wrap the laminate roll around the pads. The band closes the grooves, so the system stays clean and works for a long time.





Technical data

Material
XPE, white, closed-cell

Density
30 kg/m³

Certification
EN 13941-1, Type 2: Average

Pad size
Standard:
2000 × 1000 × 40 mm
Widths from 120 mm

Laminate rolls
XPE, 1000 mm wide
5 mm × 80 m
4 mm × 100 m

Water absorption
< 3%

Service temperature
−40 °C to +95 °C

Service life
More than 30 years

Certifications

EN 13941-1:2019 **Type 2: Average** **FFI**

Certificate 13941 2606 10A, issued by FFI Fernwärme-Forschungsinstitut GmbH (Hemmingen, Germany), a DIN CERTCO approved testing laboratory. Based on test report 1938E5630 of 2026-06-25.

Technical support

We make pads and rolls for district heating networks. Our team helps you find the right solution for your network.

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