

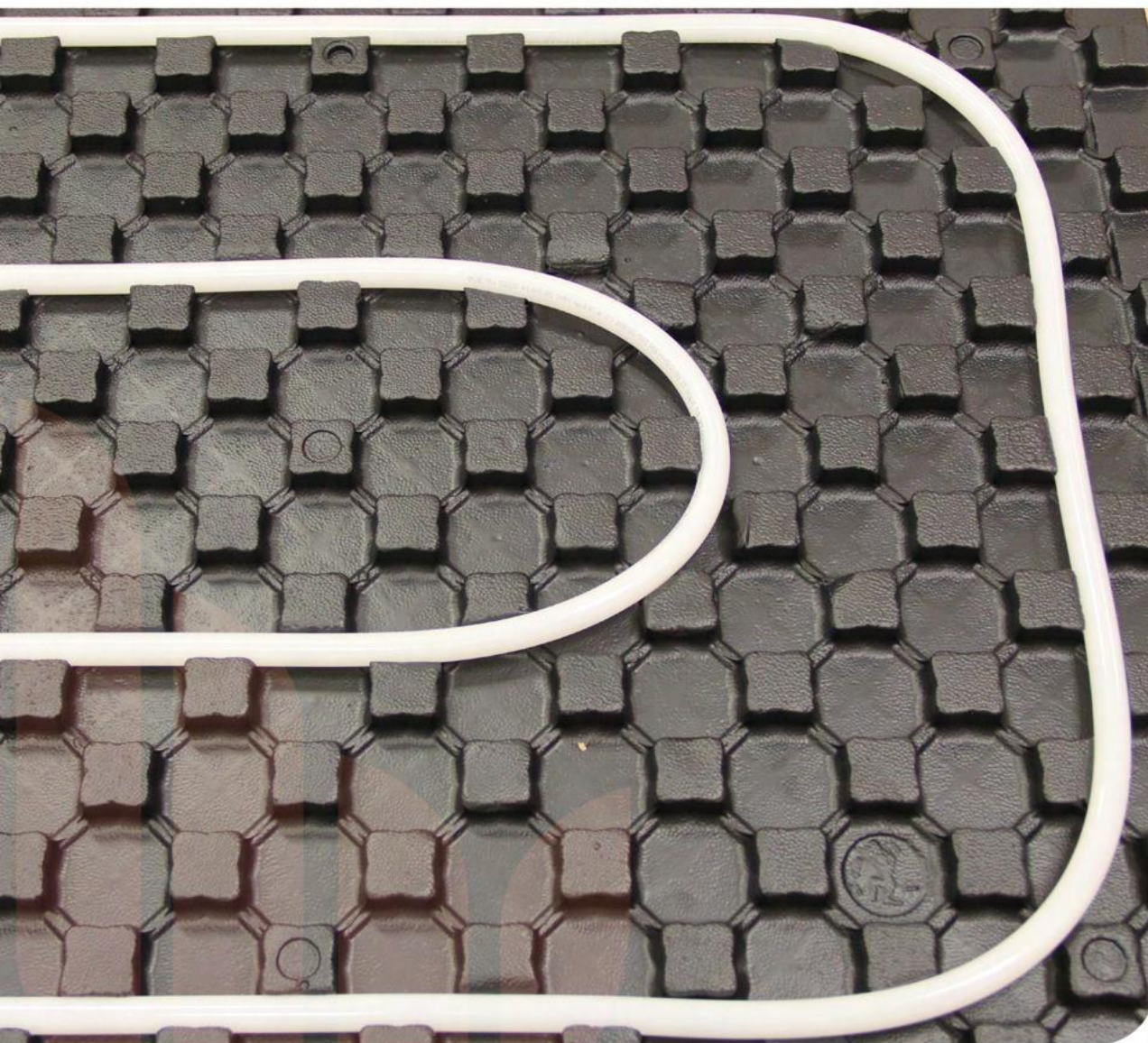
PIPE POSITIONING BOARD

MANUFACTURED BY:



The R982Q pre-formed panel is used in radiant underfloor systems as an insulating support for the pipes.

The use of the panel is essential for creating a modern, practical system.



MEASUREMENTS

1450 x 800 x 37 (H x W x D) mm

MANIFOLD



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The R982Q pre-formed insulating panel, made of sintered foam polystyrene (EPS) in accordance with EN 13163, is coupled with a special 0,4 mm protective layer in polystyrene (PS). The notable thickness of the covering ensures the excellent mechanical resistance of the "mushrooms", ensuring the most suitable panel density for the required thermal/acoustic insulation characteristics.

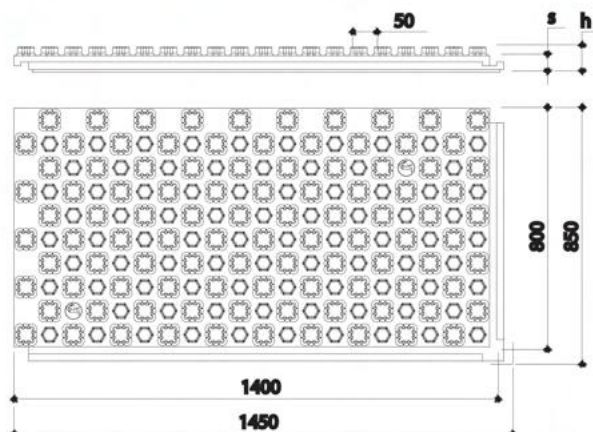
The profile solutions adopted ensure the firm, precise coupling of the panels, the possibility to lay the radiant circuits without any need for pipe-fixing clips (in most installations), and advantages in the casting of the screed (avoiding the formation of air pockets that would inevitably reduce the efficiency of the radiant floor).

The use of the R982Q pre-formed panel therefore saves time when laying the pipes, and allows the creation of circuits with 50 mm pitches and multiples thereof (typical of radiant floor heating and cooling systems) in an orderly manner, even in the most difficult situations.

Technical Data

| Insulating panel | |
|---|--|
| Product code | R982QY013 |
| Effective dimensions | 1400 x 800 mm |
| Effective surface | 1,12 m ² |
| Panel dimensions | 1450 x 850 mm |
| Panel surface | 1,23 m ² |
| Total thickness | 37 mm sheet: 15 mm + mushroom: 22 mm |
| Pipe diameter | 15-18 mm |
| Allowed pitches | multiples of 50 mm |
| Quantity of piping per m ² | 100 mm pitch: 10 m 150 mm pitch: 6,67 m |
| Pre-formed insulating sheet | |
| Material Sintered | foam polystyrene PS30 (EPS150) |
| Application range | 30 kg/m ³ |
| Thermal conductivity, λ_D | 0,034 W/(m K) |
| Thermal resistance R_{λ} | 1,00 m ² K/W |
| Minimum compression resistance at 10% crushing | 150 kPa [1,5 kg/cm ²] |
| Anti-fire protection in accordance with DIN4102 | B2 (Euroclass E) |
| Classification as per EN13163 | EPS-EN13163-T1-L1-W1-S1-P3 DS(N)5-DLT(1)5-BS250-CS(10)150 |
| Protective layer | |
| Material | Polystyrene (PS) |
| Thickness | 0,4 mm |

Dimensions



References

- UNI EN 1264
- Underfloor heating - Systems and components
- EN 13163
- Thermal insulation products for buildings - Factory made products of expanded polystyrene (EPS) - Specification
- UNI EN 12354-2
- Acoustics in construction - Evaluation of acoustic performance of buildings starting from products performance- Trampling insulation