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**HIRSCH® Porozell**
**Thermal insulation materials**

**TECHNICAL DATA SHEET**  
**Taker Plate Innotack EPS 70 I**  
**for underfloor heating systems**  
**(with lined mesh foil)**

|                            |                          |                           |  |
|----------------------------|--------------------------|---------------------------|--|
| <b>Date:</b><br>10.07.2019 | <b>Drafted by:</b><br>QM | <b>Approved by:</b><br>GF | <b>Version: No. 7</b><br>Pagina: 1 din 2 |
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**Product description:**

The Taker Plate, packed as a thermal insulation foil roll and used in underfloor heating systems, is made of expanded polystyrene (EPS) which was quality checked in accordance with SR EN 13163 and a tear-resistant fabric mesh foil, lined at the top so as to provide a moisture barrier against the water used in blanket preparation. The reinforced material makes it impossible for the clamps to break. The mesh foil is imprinted with a 5-cm step grid pattern, which allows for easy cutting of the roll, as well as for a fast & easy installation of the heating pipes. One side of the roll is coated with a self-adhesive overlay of around 3 centimeters.

**Application:**

The thermal insulation foil roll is used in underfloor heating systems for thermal insulation purposes; the heat is directed towards the interior of the room.

The thermal insulation foil roll makes for an effective bracing for the piping used in underfloor heating systems; the pipes are clamped up with "pin up" type clamps.

**Technical data:** SR EN 13163:2016

|  |  |                     |                   |
|--|--|---------------------|-------------------|
| Name: Taker Plate for underfloor heating systems   |  |                     |                   |
| EPS – EN 13163 – T(1)- L(2) – W(1)- Sb(1)- P(3)- BS115- CS(10)70- DS(N)2-DLT(1)5-TR100- WL(T)3,5– WD(V)1 |  |                     |                   |
| Material   | expanded polystyrene (EPS 70) which was quality checked in accordance with SR EN 13163, with mesh foil |                     |                   |
| Dimensions   | 1.000 x 10.000   | (mm)                |                   |
| Content per roll   | 10   | (m <sup>2</sup> )   |                   |
| Thermal conductivity<br>nominal value $\lambda_D$  | 0,039  | (W/mK)              | EN 12667/EN 12939 |
| EPS plate thickness  | (mm)   | 25                  | 30      35        |
| Thermal resistance $R_D$   | (m <sup>2</sup> K/W)   | 0,64                | 0,77      0,89    |
| Compression  | CS(10)70 $\geq$ 70   | (kPa)      EN 826   |                   |
| Bending  | BS115 $\geq$ 115   | (kPa)      EN 12089 |                   |
| Reaction to fire   | E  |                     | EN 13501-1        |
| Dimensional stability  | DS(N)2   | (% )      EN 1603   |                   |
| Water absorbtion   | WL(T)3,5   | (% )      EN 12087  |                   |



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**Transport and storage:** The product is stable and inert in normal conditions of transport, storage and use. Vehicles must be covered and clean but not airtight, allowing natural ventilation. It is not allowed to transport plates from expanded polystyrene with other materials that can damage (diluent, fuel, paints). Storage spaces will be covered, ventilated, moisture away from heat sources and avoid exposure to sunlight.

**Further information:** The product should not come in contact with any material which reacts with EPS dissolving or causing swelling thereof as may be the case with some solvent-based adhesives, wood preservatives and other non-toxic and inert substances. EPS is not containing chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFC) or formaldehyde. When fitted EPS products, no need to take special precautions by operators because they are not toxic nor irritating.

**Guarantee:** deposit product is guaranteed for 2 years only if the above conditions are met.

