



## TECHNICAL DATA SHEET

# KEIM PERIMETER-DÄMMPLATTE-GRAU 032

## 1. PRODUCT DESCRIPTION

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Grey EPS rigid foam with waffle pattern according to DIN EN 13163 and general type approval Z-23.33-1877.  
Edge formation blunt (from 220 mm with stepped rebate).

## 2. FIELD OF APPLICATION

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Base and perimeter insulation board, also in combination with KEIM ETIC systems.  
Generally approved by the building authorities for: exterior walls  
Suitable for: building sealing  
Application type according to DIN 4108-10 PW for exposure to soil moisture and non-accumulating seepage water.  
Not suitable for: cold self-adhesive plastic membranes.

## 3. PRODUCT PROPERTIES

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- with improved heat protection
- especially economical
- easy to use
- HBCD-free (with new flame retardant)
- free of CFC, CHC and aromatic hydrocarbons
- fire behaviour: hardly inflammable B1 according to 4102
- Produced in automatic moulding machines.
- dimensionally accurate and non-shrinking
- form- and pressure-stable
- resistant to aging
- resistant to splashing water and moisture
- installation depth up to 3 m
- The insulation panels comply with the high standards of the VDPM e.V. (association for insulation systems, renders and mortars)
- Externally monitored by Forschungsinstitut für Wärmeschutz e.V. München

### MATERIAL CHARACTERISTICS:

- CE marking code:	EPS-EN 13163-L3-W3-T2-S5-P5-CS(10)150-BS200-DS(N)2-DS(70,-)3-DLT(2)5-WL(T)3-WD(V)5
- Rated value of thermal conductivity:	0.032 W/mK
- Nominal value of thermal conductivity $\lambda_D$ :	0.031 W/mK
- Panel size:	1000 x 500 mm
- Panel thickness:	50 - 400 mm
- Compressive stress at 10% compression:	CS(10) $\geq$ 150 kPa
- Flexural strength:	$\geq$ 200 kPa
- Thickness tolerance:	T2 $\pm$ 2 mm/m
- Width tolerance:	W3 $\pm$ 3 mm/m
- Length tolerance:	L3 $\pm$ 3 mm
- Squareness:	S5 $\pm$ 5 mm/m
- Planarity:	P5 $\pm$ 5 mm/m
- Colour shade:	grey

## 4. APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues. The permanent compatibility of any existing coatings with the adhesive mortar must be examined by an expert. Building sealing in accordance with DIN 18531 to DIN 18535 shall be provided. Adhesion tests must be carried out on cold self-adhesive plastic sealing membranes using suitable adhesives. The panel must not be used in the area of pressing water and in the capillary fringe of groundwater.

### APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying from  $\geq 5$  °C to  $\leq 30$  °C. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

### APPLICATION:

Cut to size with insulation knife or hot wire cutter.

### GLUING:

Apply the system-specific adhesive mortar to the insulation panels using the clod method with 6 adhesive clods, so that an adhesion of min. 40 % is ensured. In the base area, the insulation panels are to be adhered using the bead-dot method. General instruction with regard to gluing: Do not apply adhesive to the panel joints. Do not create an insulation panel joint over a joint in the substrate underneath.

### DOWELING:

Check the adhesion of the insulation panels after at least 3 days. Insulation panels that are not bonded or damaged must be replaced. In the base area, the perimeter and base insulation panels can additionally be mechanically fastened with ETICS fasteners approved by the building authorities. The minimum number of fasteners is 4 fasteners /m<sup>2</sup>. In the area of the vertical structural sealing (up to 150 mm above ground level), the insulation panels must not be dowelled.

### REINFORCEMENT:

Extensive reinforcement of the perimeter insulation panels below ground level should be avoided as far as possible. A slight integration of the facade reinforcement in the area in contact with the ground is permissible. The application of the top coat render ends at the transition to the ground level. Thickness of the reinforcement layer should be min. 3 - 15 mm. In areas in contact with the ground, KEIM Indulastic-P is applied as moisture protection on mineral reinforcing mortars and renders. Above ground level, KEIM Indulastic-P is applied as a 50 mm wide bead to the top coat render. KEIM Indulastic-P can be painted over with the exterior paints that are part of the system. Below ground level, a dimpled foil or a suitable non-woven fabric is used on to protect against damage.

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### 5. PACKAGING / TECHNICAL DATA

Panel size [mm]	Panel thickness [mm]	edge	Rated value thermal conductivity [W/mK]	m <sup>2</sup> per bundle
1000 x 500	50	dull rabbet	0,032	4.5
1000 x 500	60	dull rabbet	0,032	4.0
1000 x 500	80	dull rabbet	0,032	3.0
1000 x 500	100-120	dull rabbet	0,032	2.0
1000 x 500	140-160	dull rabbet	0,032	1.5
1000 x 500	180-200	dull rabbet	0,032	1.0
1000 x 500	220-300	rabbet	0,032	1.0
1000 x 500	320-400	rabbet	0,032	0.5

### 6. STORAGE

max. storage time	Storage conditions
no maximum storage time	dry protected from heat and direct sun.

### 7. DISPOSAL

#### EC WASTE CODE:

Waste code: 17 06 04

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