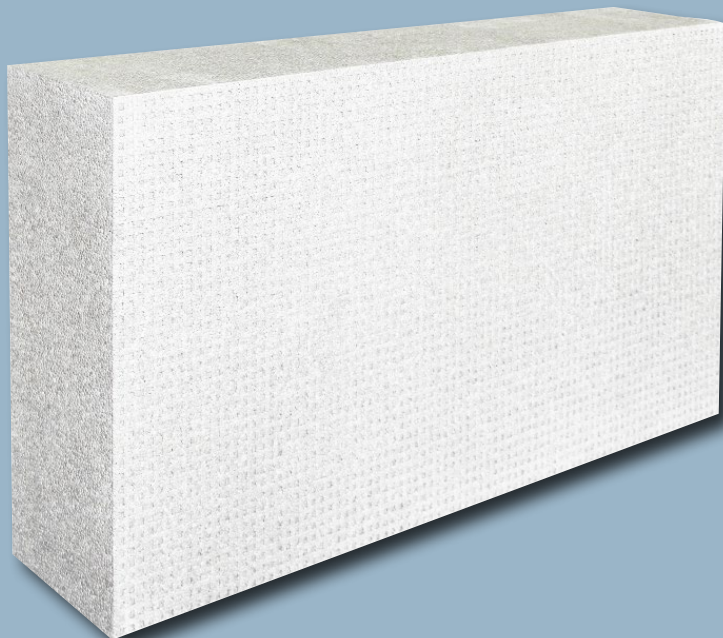


Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.



Plaster and Façade Systems

P361s.de

Product Data Sheet

2020-08

Sockeldämmplatte 035 plinth insulation panel

Plinth insulation panel for WARM WALL systems

Product description

Plinth insulation board made of expanded polystyrene rigid foam acc. to EN 13163.

Quality type: Plinth insulation board EPS 035 PW for insulation material thickness of 60 to 300 mm

Storage

Store in a dry place. Protect against direct sunlight and mechanical damage.

Quality

In compliance with EN 13163, the product is subject to initial type testing and continuous factory production control. The product is compliant with guidelines of the Fachverband Wärmedämm-Verbundsysteme e.V. (German External Thermal Insulation Composite Systems Association).

Properties and added value

- EPS acc. to EN 13163
- Application type PW in acc. to DIN 4108-10 for insulation material thicknesses of 60 to 300 mm
- Insulation material thicknesses > 200 mm are provided with an edge profile (rebated edge)
- Insulation material thicknesses < 200 mm or > 300 mm may feature an edge profile
- Building material class B1 – not easily flammable – acc. to DIN 4102-1
- Reaction to fire E acc. to EN 13501-1
- Thermal conductivity in plinth area $\lambda = 0.035 \text{ W/(m·K)}$
- Resistant to ageing and shrinkage
- Both sides feature an embossed surface with insulation material thicknesses from 60 to 300 mm
- Colour shade white

Field of application

Thermal insulation of the plinth area as well as walls made of solid mineral building materials in the area contacting the soil subjected to ground moisture and non-accumulating seepage water. For use as perimeter insulation from 60 to 300 mm thickness.

Note	Application as a perimeter insulation panel up to 3 m under the ground line is permissible in case of non-infiltrating seepage water.
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Application

Substrate and pretreatment

Substrate	Pretreatment
Unstable coatings	Remove completely
Render hollows and cavities	Remove completely and fill with a suitable render, take the drying times into account
Concrete, paint coats, old render	Clean with a high-pressure water cleaner until dust-free and allow to dry completely
Chalking or sanding surfaces	Solidify surface by applying Knauf Grundol primer

Preparation

Cover easily-soiled building components before application in accordance with Code of Practice "Abklebe- und Abdekarbeiten für Maler- und Stuckateurarbeiten" issued by the Bundesverband Ausbau und Fassade. Protect weather-exposed surfaces from precipitation and direct sunlight (by hanging nets around the scaffolding). All substrates must be stable, dry, even and free of grease and dust as well as free of any residual substances that may reduce the adhesion. Test the stability and compatibility of existing coats (old plasters and paint coats) before application of adhesive. Pretreat in accordance with the table above. Allow primer coats to dry for at least 12 hours before continuing work.

Caution	Before application of the plinth insulation board, building waterproof sealing acc. to DIN 18533 must be present.
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Application

Bonding

The splash water zone starts with the edge of the ground line or top edge of the covering and has a minimum height of at least 300 mm above the ground line. The splash water area and/or plinth area can be implemented using Sockeldämmplatte 035 plinth insulation board. Adhesively bond plinth insulation boards with adhesive mortar on mineral or bituminous waterproofing of buildings. The adhesive application is across the entire surface or using an edge ribbon and dab bonding method with an adhesive surface of at least 40 to 60 %. The lower edge of the plinth insulation board must have a continuous strip of adhesive applied that is at least 50 mm wide. The lower edge of the plinth insulation board can be cut off with a minimal integration depth in the soil, in case of insulation material thicknesses exceeding 140 mm it can be slanted. Allow a setting time of at least 48 hours before continuing work.

Adhesive bonding on bituminous substrates

In case of mineral adhesives (not necessary with Sockel-SM Pro), apply Sockel-Dicht on two component, bituminous substrates as a bonding layer and roughen the surface with a broom. Allow to dry and set fully before continuing.

Note	Protect plinth insulation boards against exposure to direct sunlight and UV light as well as moisture during storage and application until the adhesive has fully set. Damage caused by UV light can be prevented by covering the adhesive layer after the adhesive has set. In case of board surfaces damaged by exposure to UV light, remove the destroyed polystyrene layer before continuing work.
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Notes	For further information on the installation and application of insulation boards and render systems in the plinth area see system data sheets: ■ P321.de "Knauf WARM WALL Basis" ■ P323.de "Knauf WARM WALL Plus" ■ P329.de "Knauf WARM WALL Keramik" ■ P334.de "Knauf WARM WALL Natur D" ■ P335.de "Knauf WARM WALL Natur T" ■ P336.de "Knauf WARM WALL Natur S" Observe guideline "Fassadensockelputz/Aussenanlage - Façade plinth render / outdoor areas", (German only) from the Fachverband der Stuckateure für Ausbau und Fassade Baden Württemberg, Germany as well as the DIN 18533.
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Application

Should a plinth connection end profile be used, it will be initially installed flush (see product data sheet [P385s.de](#)). Apply joint sealing tape FD between the plinth insulation and plinth connection end profile.

Apply insulation boards immediately to the fresh adhesive by pushing, floating and pressing. Apply the insulation boards precisely and continuously starting from the bottom with the joints staggered at ≥ 100 mm (half board length recommended for joint staggering). Bonding of the insulation panels up to a thickness of 200 mm is possible without corner grooving. However, from 220 mm adhesive bonding with corner grooving is required. Adhesive may not fill the insulation board joints. Open board joints up to 5 mm width can be filled with Speedero adhesive foam. Board joints > 5 mm or voids should be filled cleanly with equivalent insulation material strips.

Dowelling

Additional constructional, mechanical fixing of the plinth insulation boards from a height of 150 mm measured above the edge of the ground line is recommended.

Note	For dowel selection please refer to the system data sheet of the respective WARM WALL system.
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Application temperature / climate

Do not apply material below +5 °C and above +30 °C. The substrate must be frost-free.

Application time

Avoid long drying and delay times without a mesh reinforcement as after about 2 weeks UV damage to the surface of the panels will result that will need to be removed.

Caution	Create connections to other constructional components using suitable connection profiles or joint sealing tape as proof against driving-rain.
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Technical data

Description	Standard	Unit	Sockeldämmplatte 035
Building material class	DIN 4102-1	–	B1
Reaction to fire	EN 13501-1	Class	E
Rated value of thermal conductivity λ ■ in the plinth area ■ in the perimeter area	DIN 4108-4	W/(m·K) W/(m·K)	0.035 ≤ 0.041
Rated value of thermal conductivity λ_D	EN 13163	W/(m·K)	0.034
Water vapour diffusion resistance μ	EN 13163	–	30/70
Compressive stress $\sigma_{10\%}$ with 10% compression	EN 826	kPa	≥ 150
Maximum built-in depth	Z-23.33-1159 Z-23.33-1223 Z-23.33-1712 Z-23.33-1857 / Z-23.33-1666	m	3

The stated technical data were evaluated acc. to the respective test standards. Deviations under site conditions are possible.

Product range

Description	Thickness mm	Width mm	Length mm	Packaging unit		Material number	EAN
				m ² /package	pcs./pallet		
Sockeldämmplatte 035	30	500	1000	8	16	00076466	4003950065316
	40			6	12	00076467	4003950065323
	50			4.5	9	00056296	4003974088261
	60			4	8	00076469	4003950065347
	80			3	6	00076470	4003950065354
	100			2	4	00056297	4003974088278
	120			2	4	00076472	4003950065378
	140			1.5	3	00076473	4003950065385
	160			1.5	3	00076474	4003950065392
	180			1	2	00056298	4003974088285
	200			1	2	00076476	4003950065415
	220			1	2	00056810	4003950037023
	240			1	2	00056811	4003950037030
	260			1	2	00056812	4003950037047
	280			1	2	00056813	4003950037054
	300			1	2	00056814	4003950037061
	320			0.5	1	00056815	4003950037078
	340			0.5	1	00056816	4003950037085
	360			0.5	1	00056817	4003950037092
	380			0.5	1	00056818	4003950037108
	400			0.5	1	00056819	4003950037115
	Custom					00124418	4003950082443

Knauf Sockeldämmplatte 035 is an equivalent for the following products:

- HIRSCH Perimeterdämmplatte 035
- BACHL WDV Perimeter- und Sockeldämmplatte 035 / Sockel Bianco
- JOMA AirPor® XB-3000
- RYGOL Perimeterdämmplatte 035 3m



Videos for Knauf systems and products can be found under the following link:
youtube.com/knauf



The iPad App Knauf Infothek now provides all the current information and documents from Knauf Gips KG at any time and in every location in a clear and comfortable way.
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Knauf Direct

Technical Advisory Service:

▶ knauf-direkt@knauf.de

▶ www.knauf.de

Knauf Gips KG Am Bahnhof 7, 97346 Iphofen, Germany

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