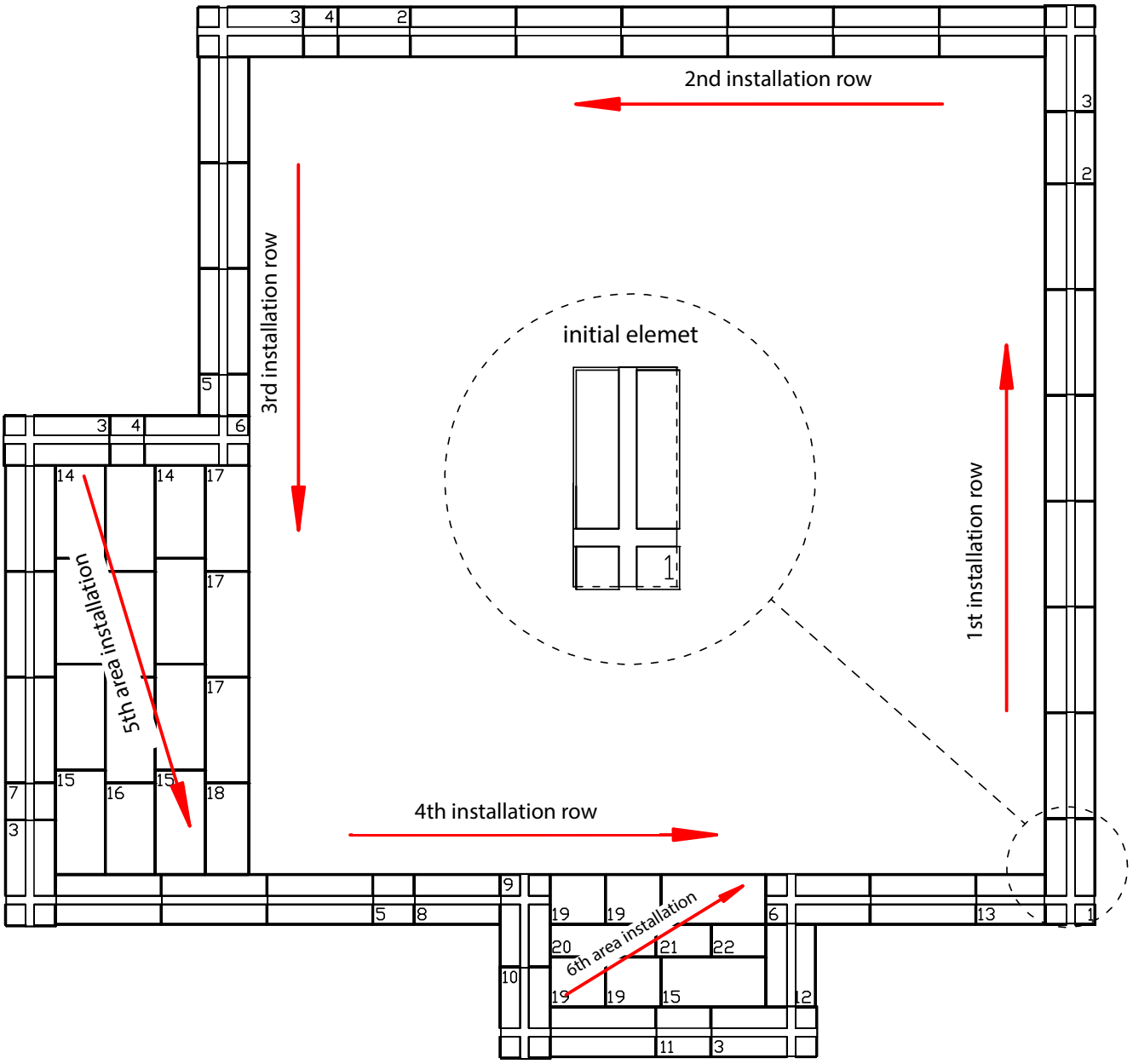
JACKODUR® Atlas

Perfect floor slab insulation for every type of house.

Edge system



Installation Instructions

JACKON by BEWI

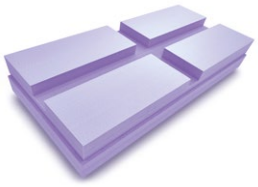
JACKODUR® Atlas - Edge system

General notes

With JACKODUR® Atlas, you have chosen a time and money-saving floor slab insulation system suitable for different layouts. JACKODUR® Atlas comprises various elements which can be combined individually.

The innovative plug-in system systematically excludes thermal bridges and the insulation meets all current energy standards. The JACKODUR® Atlas system is made of extruded polystyrene foam (XPS) according to EN 13164.

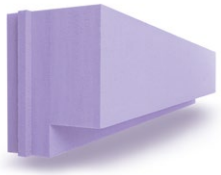
JACKODUR® Atlas elements:



Corner element

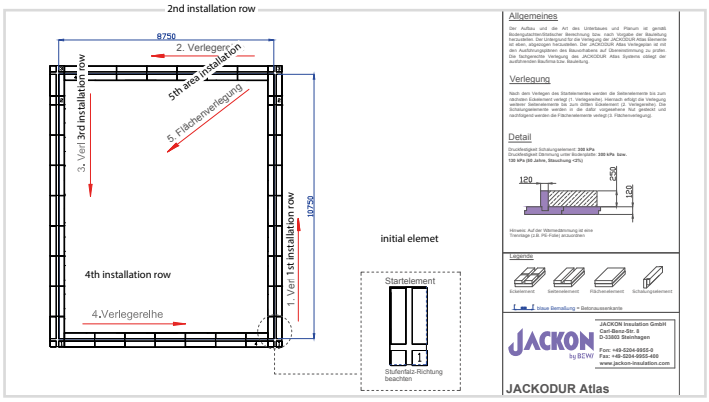
Side element

Area element

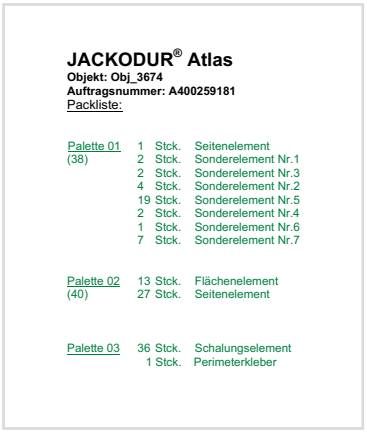


Formwork element

You receive an installation plan that shows where to position the tailor-made edge elements (special elements).

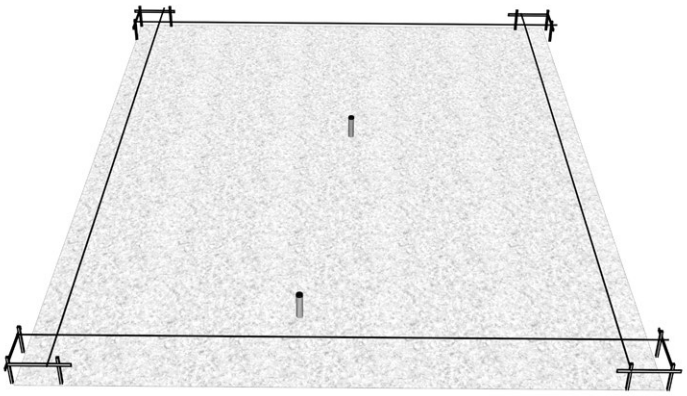


The packing list provided shows you which pallet contains the special elements.



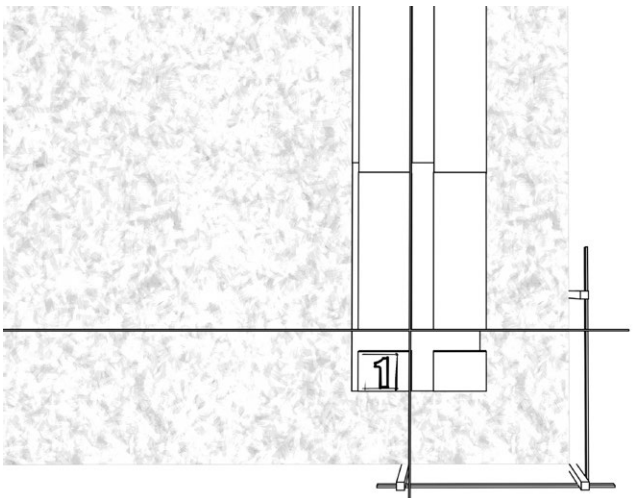
JACKODUR® Atlas
Objekt: Obj_3674
Auftragsnummer: A400259181
Packliste:

Palette 01 (38)	1	Stck.	Seitenelement
	2	Stck.	Sonderelement Nr.1
	2	Stck.	Sonderelement Nr.3
	4	Stck.	Sonderelement Nr.2
	19	Stck.	Sonderelement Nr.5
	2	Stck.	Sonderelement Nr.4
	1	Stck.	Sonderelement Nr.6
	7	Stck.	Sonderelement Nr.7
Palette 02 (40)	13	Stck.	Flächenelement
	27	Stck.	Seitenelement
Palette 03	36	Stck.	Schalungselement
	1	Stck.	Perimeterkleber



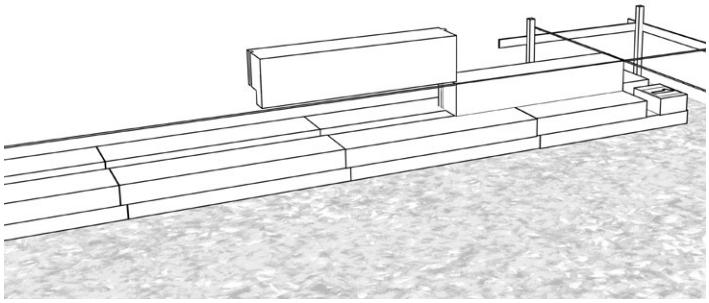
1. Preparation of the site and setting out

It is fundamental to avoid any risk of frost below the foundation. That is why the hardcore has to comply with the requirements of the planner/structural engineer. Typically the hardcore is made of crushed stone, granular and is non-frost susceptible (good draining). If the hardcore is frost susceptible or if the maximal local depth of frost penetration is not reached then a frost insulation (ISO13793) has to be installed. Crushed stone 2/5 or 4/8 is an ideal material for a leveling filler layer on the top of hardcore. For the substrate, a tolerance of +/- 1 cm over 5 m is recommended for a precision fit insulation arrangement. The blinding layer should be applied about 40 cm wider than the outer edge of the floor slab. If possible, the batter board should be erected at a distance of about 80 cm from the outer edge of the floor slab. For further preparation, the layout lines are stretched over the outer edge of the floor slab (without thermal insulation).



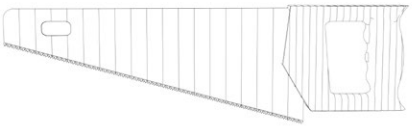
2. Begin with the initial element

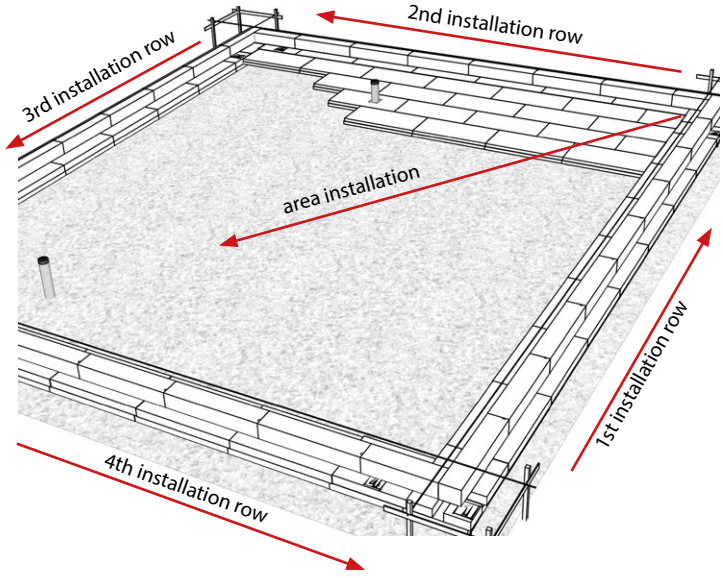
The installation plan shows which corner to begin the installation. The initial element must be installed as shown in the plan (note direction of stepped profile!). With the aid of the erected batter board arrangement, use the tensioned layout line to arrange the initial element (outer edge of the floor slab). Then install the side elements in the direction "1st installation row" and thereafter continue the installation in the direction "2nd installation row" until the edge is complete.



3. Formwork elements

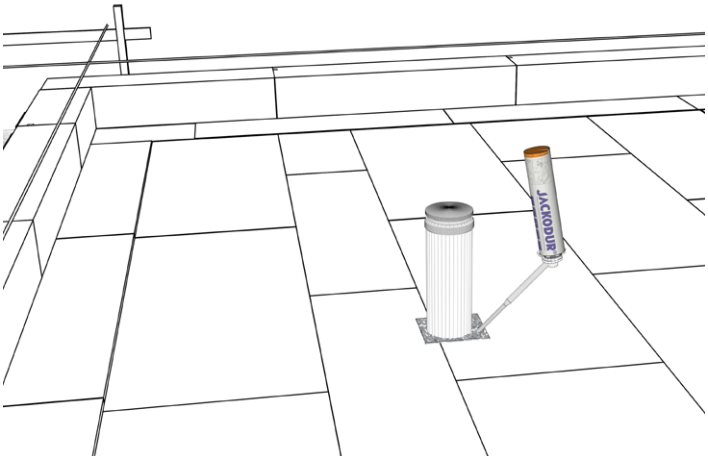
Subsequently, insert the formwork elements progressively into the groove of the side elements with joints offset till the next corner element is reached. The formwork elements must be cut to length (e.g. with a handsaw or a hot wire cutter).



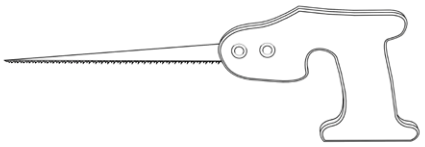


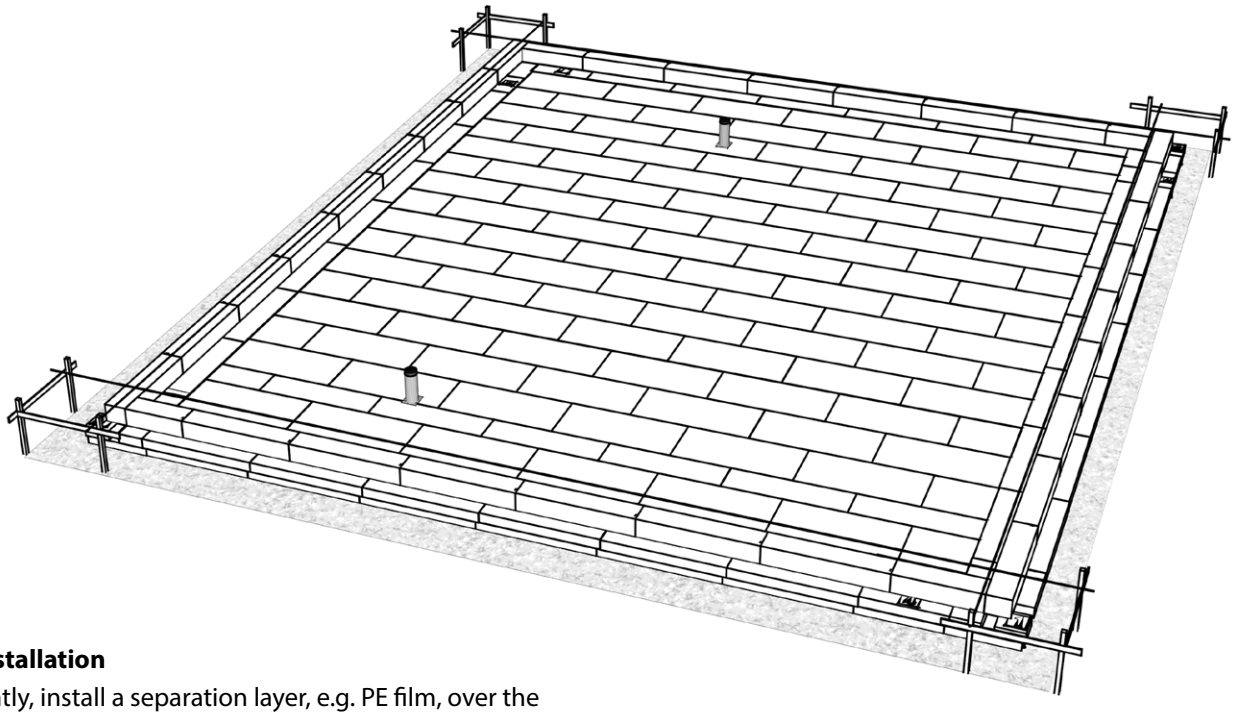
4. Area elements

The area elements can now be installed proceeding from one corner with tight joints in any bonding pattern. Cut the last area element in any row to size up to the adjoining side element.



5. Penetrations (e.g. for drainage lines, conduits, ventilation ducts) must be notched to size on site, e.g. with a handsaw or portable jigsaw. Use JACKODUR® Perimeter Adhesive (λ 0.0354) to seal off penetrations and open joints in the insulation layer.





6. After installation
Subsequently, install a separation layer, e.g. PE film, over the thermal insulation boards. Install it loose and with overlapping, taped joints.

Application film
JACKODUR® Atlas

Note

The information in this publication represents our current state of knowledge and experience. They do not represent any guarantee in the legal sense of the term. When using these products, the specific conditions relative to the particular application must always be taken into account, especially with regard to structural physics, civil engineering and statutory building regulations.

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