

JACKOBOARD®

Construction board system for professionals



Only a small step separates planning and implementation, thanks to the professional construction board system.

The extruded polystyrene foam core and double-sided coating of fibre glass weave and special mortar make all construction board elements extremely stable, thermally insulating and lastingly durable. Since they absorb virtually no water whatsoever and can be tiled directly, they are the perfect solution for kitchens, bathrooms and wellness areas. Whether you are renovating a bathroom in an old building or fitting the complete interior of a new building – the versatile and lightweight elements allow you to achieve virtually any design without difficulty.



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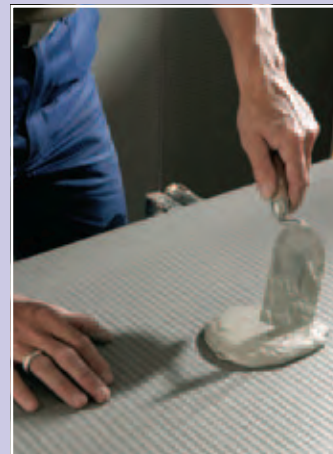
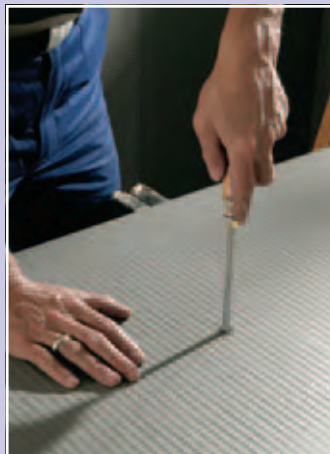
01

WALLS AND FLOORS

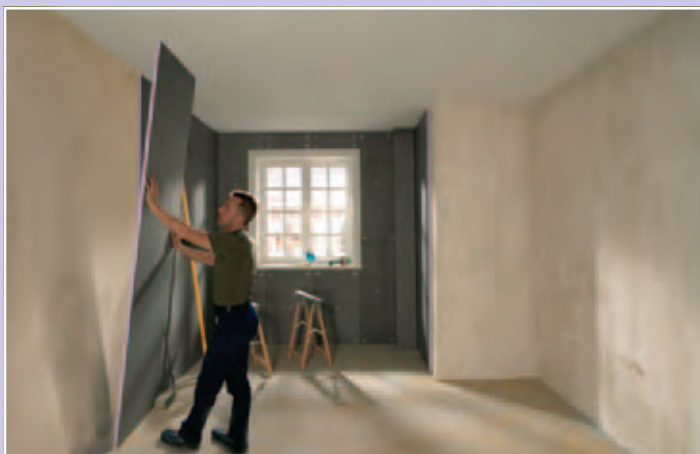
WALL AND FLOOR APPLICATIONS



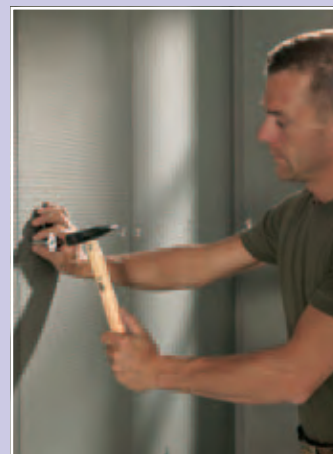
An old bathroom requires complete renovation. Uneven walls can be easily evened out and cracks compensated with JACKOBOARD Plano.



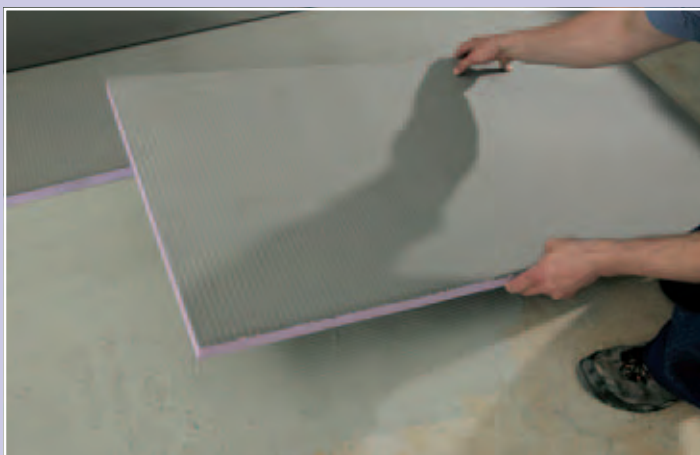
When using JACKOBOARD Plano for wall applications, a screwdriver is used to punch 8 holes (5 per m²) through the board for marking purposes. Dabs of mortar are then applied over these hole markings.



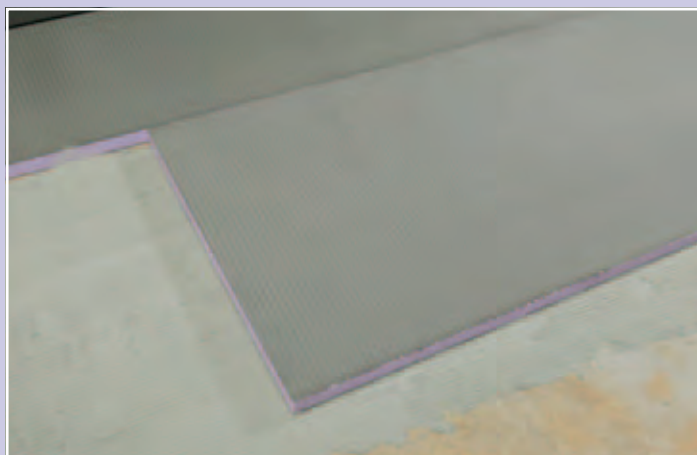
JACKOBOARD Plano is aligned to the floor at an angle, pressed onto the substrate and straightened with the help of a spirit level.



Once the mortar has hardened, a hammer drill is used to drill the dowel holes and the board is fixed with JACKOBOARD metal plugs. Again, the hole markings help when drilling the holes.



To compensate cracks and provide additional thermal insulation in floors, the construction board is moved back and forth gently to embed it firmly in the tile adhesive.



JACKOBOARD Plano is aligned and straightened with the help of a spirit level.

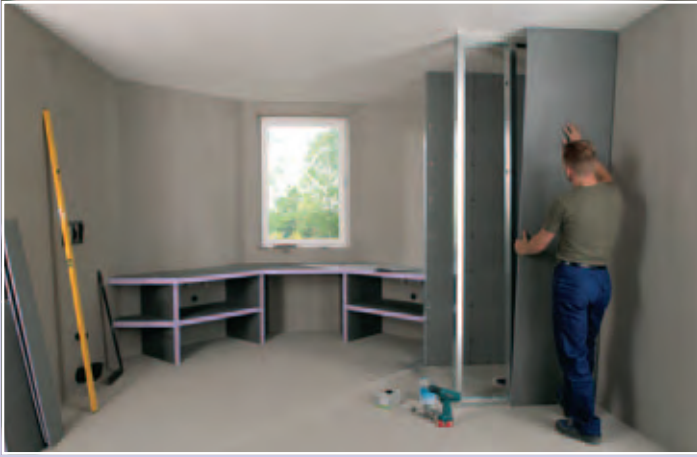


Once all of the butt edges have been filled with JACKOBOARD glass fibre or sealing tape, the bathroom surfaces can be directly covered with tiles, plaster or filler.

Superb thermal
insulation properties
 $\lambda_D = 0,034 \text{ W/(m}\cdot\text{K)}$



PARTITION WALLS



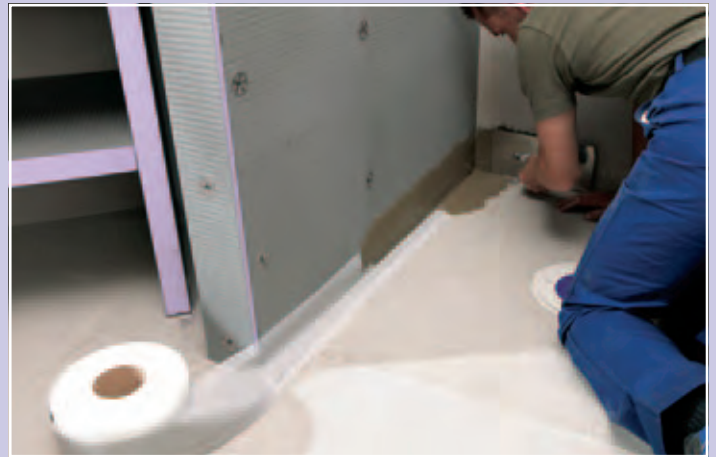
The JACKOBOARD Aqua shower element is already installed at ground level with the screed. The metal stud frame forms the substructure; the JACKOBOARD Plano construction boards are cut to the right length.



JACKOBOARD Plano is fixed using suitable metal screws (5 per m²) and JACKOBOARD insulation board discs.



The shower partition wall is finished. Prior to laying the tiles, all of the board joints outside the shower must be filled with JACKOBOARD glass fibre tape.



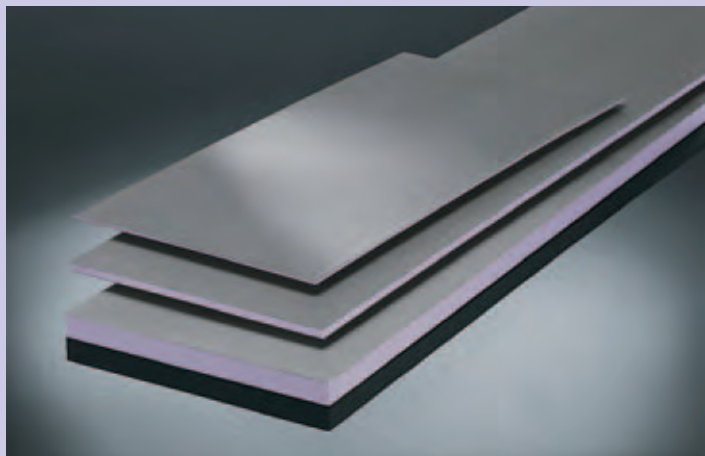
To avoid water dripping down the back, all of the joints and transitions in the wet area of the shower must be sealed with JACKOBOARD sealing tape.



The versatile and lightweight elements make it easy to build partition walls and shower cubicles, regardless of whether they are straight or curved.

JACKOBOARD® Properties:

- thermally insulating
- compression proof
- water repellent
- easy to work with
- low weight
- stable



JACKOBOARD Plano

- Construction board for interior finishing
- Thickness: 4 – 80 mm
- 1300 x 600 mm, 2600 x 600 mm and 2600 x 900 mm

The extruded polystyrene foam core and an outer layer made of special mortar and fibre glass weave make the installation elements rigid, thermally insulating and lastingly durable.

Since they absorb virtually no water whatsoever and can be tiled directly, they are especially suitable for kitchens, bathrooms and wellness areas.







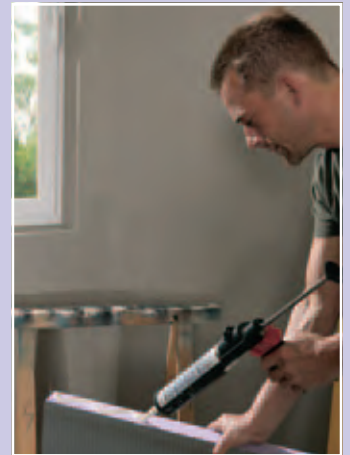
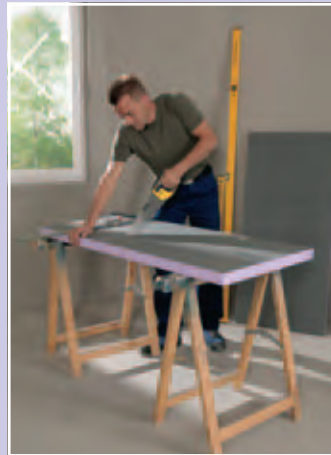
02

FITTINGS

WASHSTAND



The bare shell of the bathroom. The walls have been plastered, the screed laid. The bathroom can now be individually designed with the help of JACKOBOARD construction boards.



JACKOBOARD Plano is measured and cut to size. Assembly adhesive is applied to the top edges.



The construction board elements are glued to the wall and floor to provide the substructure for the washstand.



The washstand top is glued to the substructure. Prior to tiling, all of the board joints and visible top edges are filled with JACKOBOARD glass fibre tape.





A perfect job, thanks to JACKOBOARD!
The washstand fits perfectly into the bay.

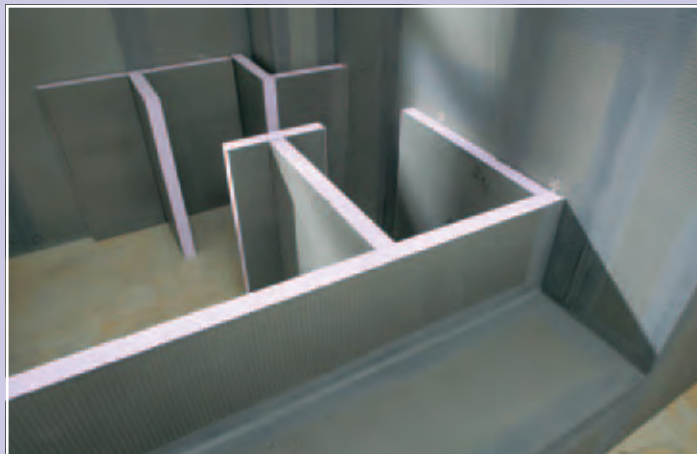


Suitable for both mounted
and recessed washbasins.

BATH PANELLING



To create the bath panelling, a supporting structure is built using 50 mm JACKOBOARD Plano construction boards and glued with assembly adhesive.



Additional board retaining walls are glued to the wall and floor at a distance of about 40 cm using assembly adhesive.



JACKOBOARD Plano is cut to the right shape and glued onto the supporting structure as a panel using assembly adhesive.



The bathtub can then be positioned in the recess. The pre-fabricated JACKOBOARD Wabo bathtub element is an alternative product that can be used for simple, vertical bathtubs.

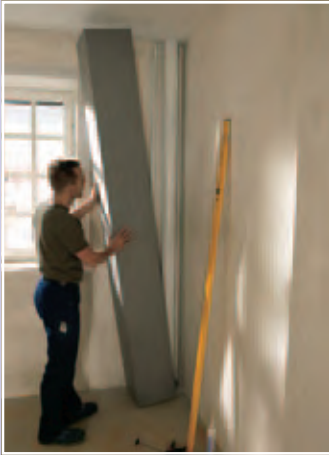
JACKOBOARD®

Properties:

- thermally insulating
- compression proof
- water repellent
- easy to work with
- low weight
- stable



The result: An oasis of wellness in your home!



The angle element JACKOBOARD Canto is ideal for quickly cladding pipes; it can be installed both vertically and horizontally. JACKOBOARD anchors spaced 80cm apart at the most are plugged onto the angle element and bolted to fasten it.

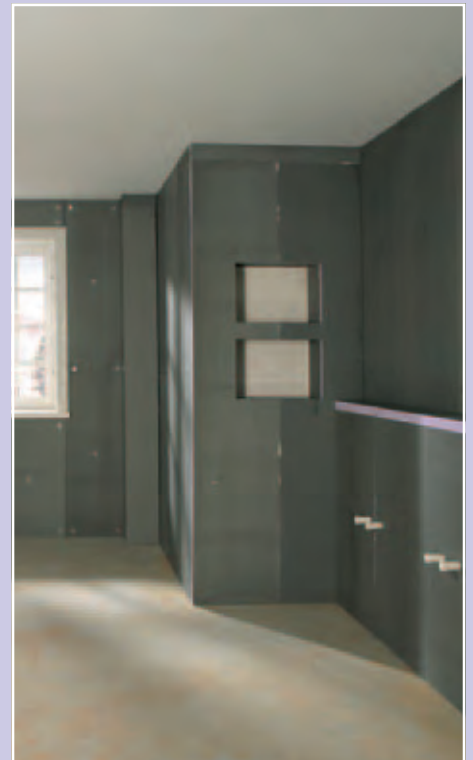
Alternatively, assembly adhesive can also be used to fix JACKOBOARD Canto.



NICHES AND SHELVES



Once they have been measured and cut to size, the individual construction boards are fixed with assembly adhesive. Individual construction board ribs can be integrated for additional stability. The built niche with shelves and the tray design can be glued to the wall and floor using assembly adhesive.



BENCH

Even round designs are possible with JACKOBOARD Flexo creative construction boards. To build the bench, a substructure was first made using construction boards. The creative construction board is then glued on with assembly adhesive.



The substructure for the bench is made of 50 mm JACKOBOARD Plano that is cut to shape with the help of a jigsaw.

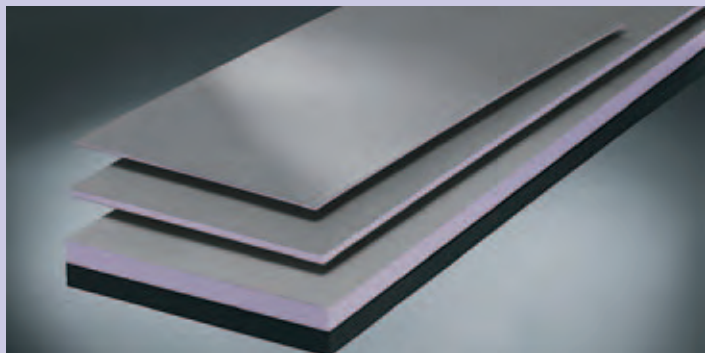


The construction board elements are glued to the wall and floor with assembly adhesive at approx. 40 cm intervals.



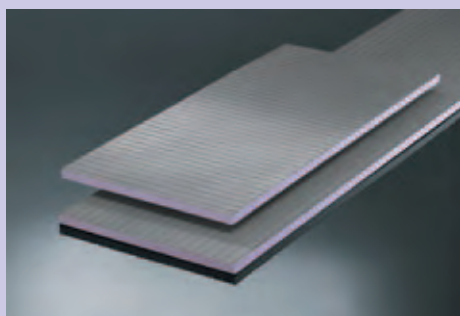
The slotted surface of JACKOBOARD Flexo makes it easy to adjust it to exactly the shape of the substructure. The creative construction board is positioned with the slotted side facing down and fixed with assembly adhesive. For easier installation, the creative construction board can also be fixed with a few wooden screws. All joints and visible top edges then need to be covered with JACKOBOARD glass fibre tape or sealing tape.





JACKOBOARD Plano

- Construction board for interior finishing
- Thickness: 4 – 80 mm
- 1300 x 600 mm, 2600 x 600 mm and 2600 x 900 mm



JACKOBOARD Flexo

- Creative construction board for creative interior finishing
- Versions are available with the widest range of rounded finishes
- Thickness: 30 and 50 mm
- 1300 x 600 mm, cross slotted
2600 x 600 mm, lengthwise slotted



JACKOBOARD Canto

- Angle element especially designed for corners and pipe cladding
- Customised U shapes are possible
- Thickness: 20 mm
- Length: 2600 mm
- Angle: 150 x 150 mm, 200 x 200 mm, 300 x 300 mm and 400 x 200 mm



Alternative product

JACKOBOARD Wabo

- Bathtub element for bath panelling
- easy to install
- with height-adjustable feet
- Thickness: 30 mm
- 1770 x 600 mm, 2100 x 600 mm, 730 x 600 mm and 900 x 300 mm



FURNITURE ASSEMBLY KITS



The JACKOBOARD furniture assembly kits allow you to create individual bathroom furniture in a flash. Ideal for use in private homes, hotels or public wellness facilities.

Each assembly kit contains easy instructions for assembling the furniture.

The individual elements are supplied as an assembly kit and are joined with tongue and groove connections. The assembly kit comes complete with assembly adhesive, which ensures the permanent connection of the elements. The stainless steel screws and discs have been specifically matched to the system and help during assembly.

The resulting furniture can be covered with tiles, plaster or filler, just as you wish. Ensuring that each bathroom is given a very personalised touch.

JACKOBOARD®

Properties:

- thermally insulating
- compression proof
- water repellent
- easy to work with
- low weight
- stable

JACKOBOARD®

Benefits:

- tiles, plaster or filler can be used to create an individual surface finish
- easy and quick to assemble
- simple basis for planning and calculation
- no cutting waste





JACKOBOARD Modula D 800

- Assembly kit for single washstand consisting of:
2 side walls and 1 top, 80 mm thick,
1 centre shelf, 50 mm thick
- H x W x D: 850 x 800 x 600 mm
- Special dimensions available on request



JACKOBOARD Modula D 1600

- Assembly kit for double washstand consisting of: 2 side walls; 1 centre wall and 1 top, 80 mm thick,
2 centre shelves, 50 mm thick
- H x W x D: 850 x 1600 x 600 mm
- Special dimensions available on request



JACKOBOARD Modula R 300

- Assembly kit for shelf unit consisting of:
2 side walls and 5 shelves,
50 mm thick
- H x W x D: 2125 x 600 x 300 mm
- Special dimensions available on request



JACKOBOARD Modula R 600

- Matches the top of the JACKOBOARD washstands, with one shelf, 80 mm thick
- Assembly kit for shelf unit consisting of:
2 side walls and 4 shelves,
50 mm thick, 1 shelf, 80 mm thick
- H x W x D: 2125 x 600 x 600 mm
- Special dimensions available on request

The extruded polystyrene foam core and an outer layer made of special mortar and fibre glass weave make the installation elements rigid, thermally insulating and lastingly durable. Since they absorb virtually no water whatsoever and can be tiled directly, they are especially suitable for kitchens, bathrooms and wellness areas.

All kits contain:
Assembly adhesive, screws, discs, mounting board, assembly instructions







03

SHOWERS

SHOWER ELEMENTS

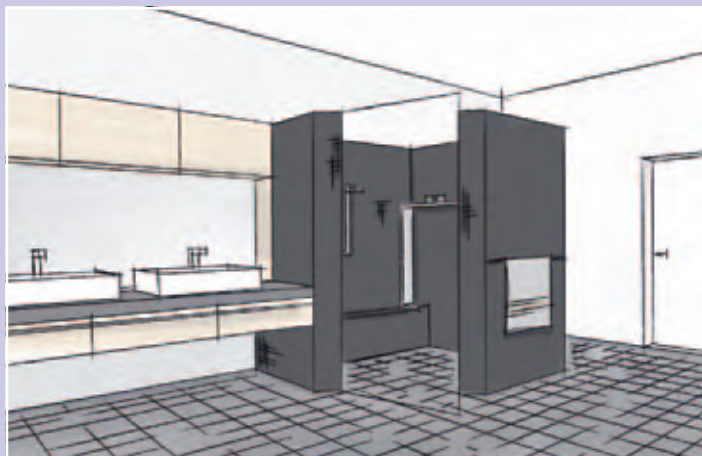


The sturdy and waterproof element made of extruded polystyrene foam coated with glass fibre and mortar is simply laid in the shower area instead of the screed. There are no limits to what you can design. In addition to the rectangular version in all standard dimensions, any other shape is possible, be it round, trapezoidal or polygonal.

Nowadays, bathrooms tend to be more spacious and more attention is paid to their design. Individual, walk-in showers are leading this trend – not only because they look good, but because their users can shower without the risk of stumbling.

The JACKOBOARD Aqua shower element makes it easy to build walk-in showers that are barrier-free.





Tiles can be laid straight onto JACKOBOARD Aqua. All types and sizes of tiles can be used in principle. Special requirements only apply to showers that must offer wheelchair access or to mosaic tiles < 25 mm.

The JACKOBOARD Aqua shower element enables planners to design bathrooms that meet both their own requirements and those of their customers.

It has never been easier to design individual and lovely bathrooms.



JACKOBOARD®

Benefits at a glance:

- excellent appearance
- barrier-free entry
- wheelchair-accessible
- continuous floor tiling is possible

JACKOBOARD®

Suitable for installation

- in private homes
- in publicly accessible buildings and workplaces in accordance with DIN 18024-2
- in barrier-free homes in accordance with DIN 18025 parts 1 and 2



FROM BATHTUB TO SHOWER

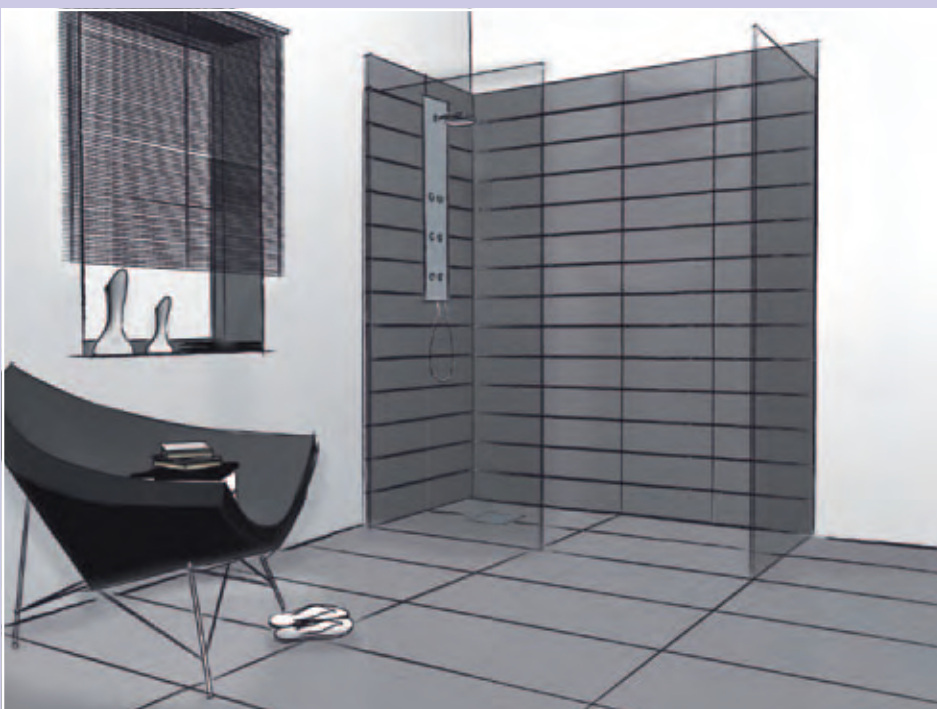
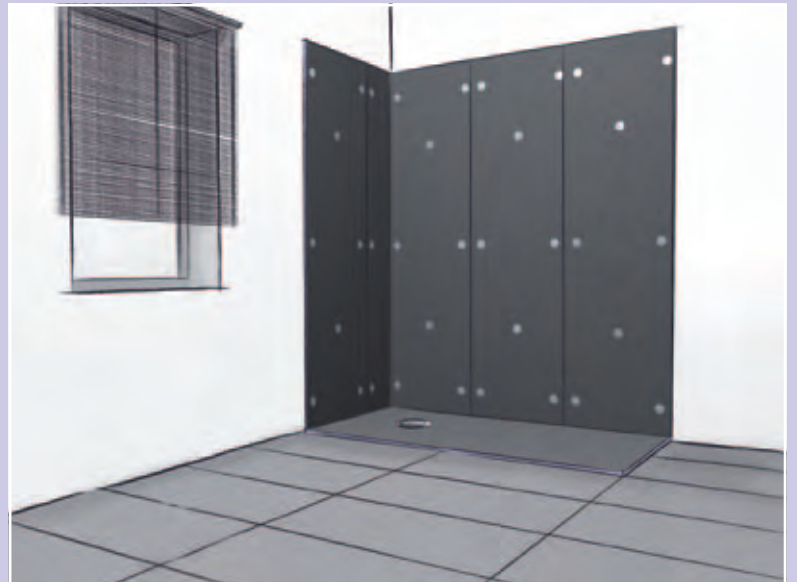


The ingenious JACKOBOARD Aqua shower elements also really demonstrate their advantages when modernising old bathrooms. In this case, the old bathtub is being replaced by a spacious shower – with a complete tray size of 1800 x 900 mm.

JACKOBOARD Aqua is positioned in the screed recess. The waterproof JACKOBOARD Plano construction boards provide a new base for laying the tiles in the wall area of the shower.

The extruded polystyrene foam core and an outer layer made of special mortar and fibre glass weave make the installation elements rigid, thermally insulating and lastingly durable.

Since they absorb virtually no water whatsoever and can be tiled directly, they are especially suitable for kitchens, bathrooms and wellness areas.

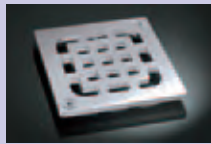
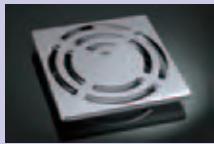


Open and barrier-free: The glass partition walls are installed lengthwise and across in such a way that water cannot spray out into the room, even though there is no door. And the walk-in access creates a lovely modern shower with no risk of stumbling.



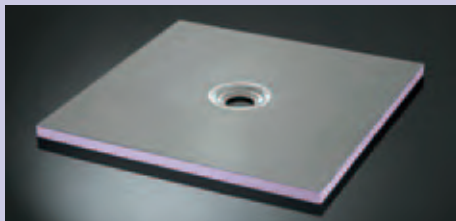
JACKOBOARD Aqua
Walk-in shower element
for barrier-free showers

- Incorporated fall
- Sealed drain flange
- Incl. drain, optionally vertical or horizontal
- DN 50
- High drainage rate of up to 0.85 l/s
- Stainless steel grate 94 x 94 mm
- Extremely flat stainless steel frame 100 x 100 x 6.2 mm



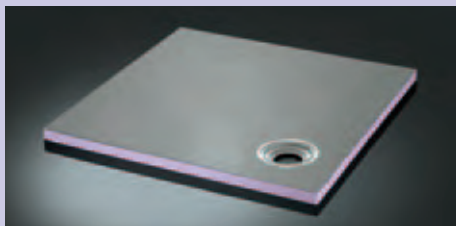
Accessories:

- Various stainless steel grates in different sizes with polished or brushed surface
- Fire kit for concrete ceilings, with German technical approval



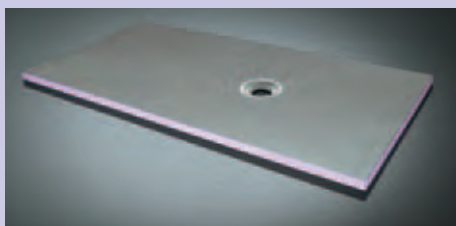
JACKOBOARD Aqua
Central drain

- 800 x 800 mm, 900 x 900 mm, 1000 x 1000 mm, 1200 x 1200 mm, 1200 x 900 mm, 1500 x 1500 mm
- Thickness: 40 mm



JACKOBOARD Aqua
Offset drain

- 900 x 900 mm, 1000 x 1000 mm, 1200 x 1200 mm
- Thickness: 40 mm

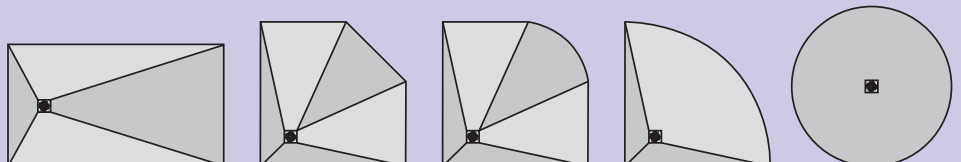


JACKOBOARD Aqua
Offset drain

- 1800 x 900 mm
- Thickness: 40 mm or 50 mm

Special dimensions:

In addition to the standard sizes, JACKOBOARD Aqua shower elements are also available in a wide range of made-to-measure sizes and shapes on request.



CHANNEL DRAIN

JACKOBOARD Aqua Line guides the water down a single fall into a narrow steel channel. Because of the one-sided fall, large-format boards can be laid without the need to cut a fall.

- Barrier-free shower element with integrated drainage channel
- Extruded polystyrene foam element with special coating on both sides
- Drainage channel in brushed stainless steel
- Built-in single-sided fall
- Incl. DN 50 drain system, optionally horizontal or vertical

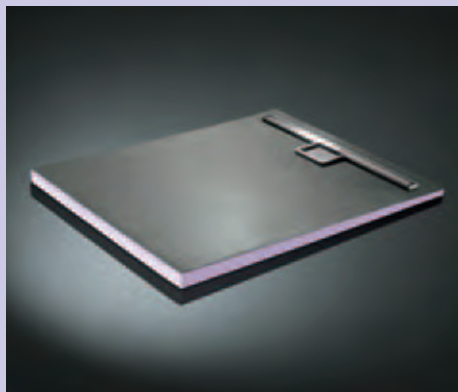


SHOWER CORNER



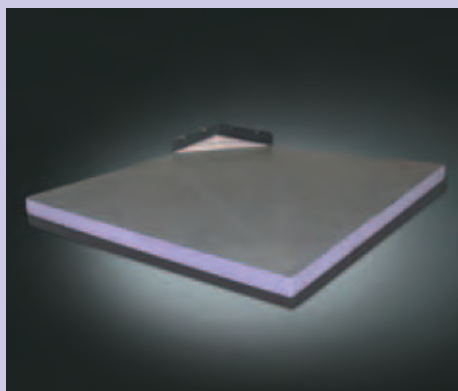
JACKOBOARD Aqua Delta is the solution of choice when the drain needs to fit right into the corner for appearance or technical reasons. As is also the case with the channel drain, this enhances the comfort throughout the entire foot area.

- Shower element with corner drain for barrier-free showers
- Height-adjustable grate made of brushed stainless steel
- Sealed stainless steel flange with edge that can be tiled over
- Incorporated fall
- Incl. horizontal drain system



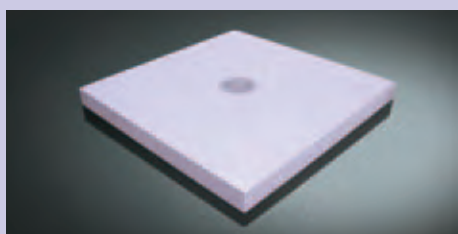
JACKOBOARD Aqua Line

- Shower element with channel drain
- 1000x900 mm, 1100x 1000 mm, 1200x 1100 mm, 1400x 1300 mm
- Thickness: 50 mm
- Special sizes available on request



JACKOBOARD Aqua Delta

- Shower element with corner drain
- 900x900 mm, 1200x 1200 mm
- Thickness: 50 mm
- Special sizes available on request

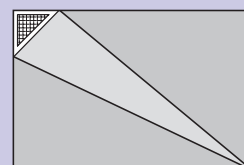
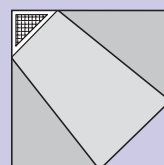
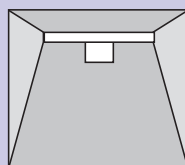
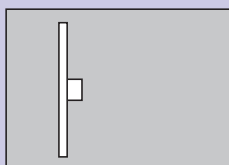


JACKOBOARD Aqua Base

- for elevating the shower element
- 1200x 1200x20 mm, 1200x 1200x50 mm
- Special sizes available on request

Special dimensions:

In addition to the standard sizes, JACKOBOARD Aqua Line and JACKOBOARD Aqua delta are also available in a wide range of made-to-measure sizes and shapes on request.



SPIRAL SHOWER



- Shower partition wall, consisting of 7 individual partitions with tongue and groove connection
- Optional left or right entry
- Incl. drain system
- Floor element with incorporated fall and groove for insertion of the partition elements

An eye catching design whose “Archimedean spiral shape” demonstrates the harmonious proportions of the golden ratio – a unique feature that is only offered by JACKOBOARD Aqua Spiral.

A further advantage of this shape is that there is absolutely no need for a separating door. Which means: shower fun on a floor area of more than 2 m² – and the remainder of the room still stays dry.

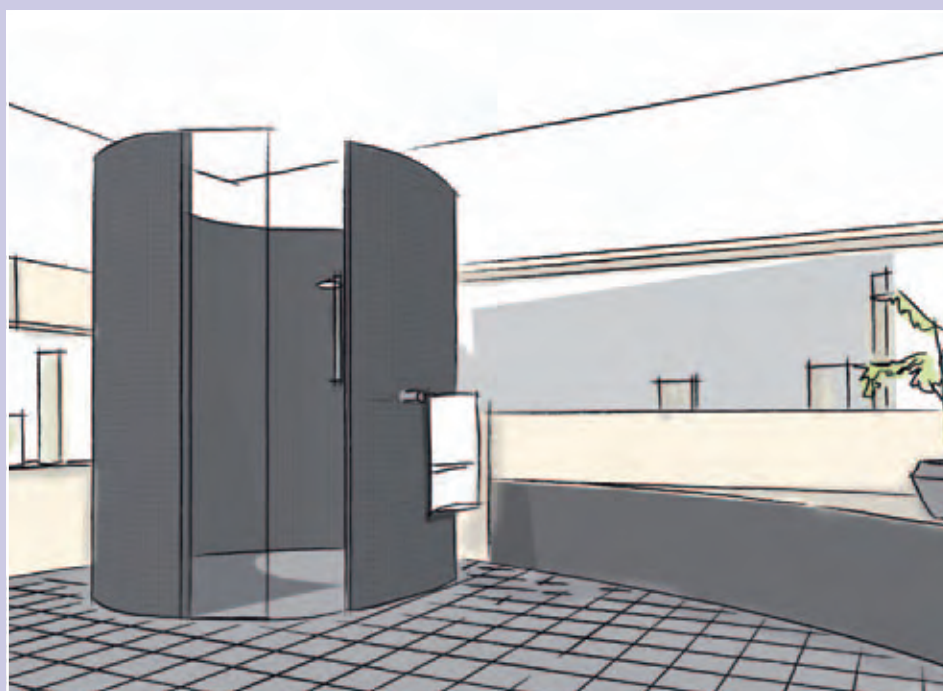


ROUND SHOWER

A product without edges or corners, which rounds off our range of products for creative interior finishing – and enhances any bathroom or wellness area.

Very practical: The entry area of JACKOBOARD Aqua Circle can easily be widened to the required size with the help of a cutter and rail.

- Shower partition wall, consisting of 5 individual partitions with tongue and groove connection
- Incl. drain system
- Floor element with incorporated fall and groove for insertion of the partition elements





JACKOBOARD Aqua Spiral

Shower partition

- Outer dimensions 2055 x 1696 mm,
- Height: 2150 mm
- Thickness: 50 mm,
- Inside wall surface: approx. 10.7 m²,
Outside: approx. 11.4 m²

Floor element

- Thickness: 50 mm
- Inside surface: approx. 2.1 m²,
- Special sizes available on request



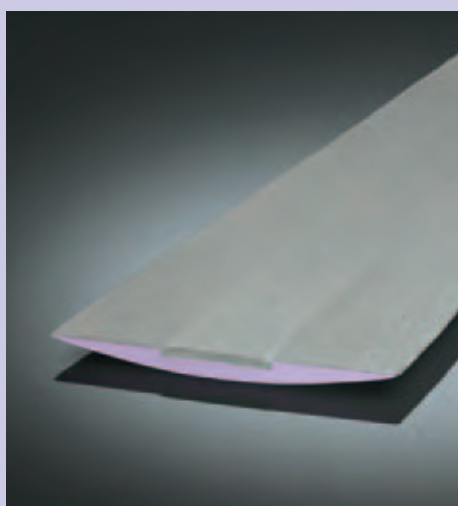
JACKOBOARD Aqua Circle

Shower partition

- Internal diameter: 1000 mm,
External: 1100 mm
- Height: 2150 mm
- Thickness: 50 mm
- Inside wall surface: approx. 5.82 m²,
Outside: approx. 6.39 m²

Floor element

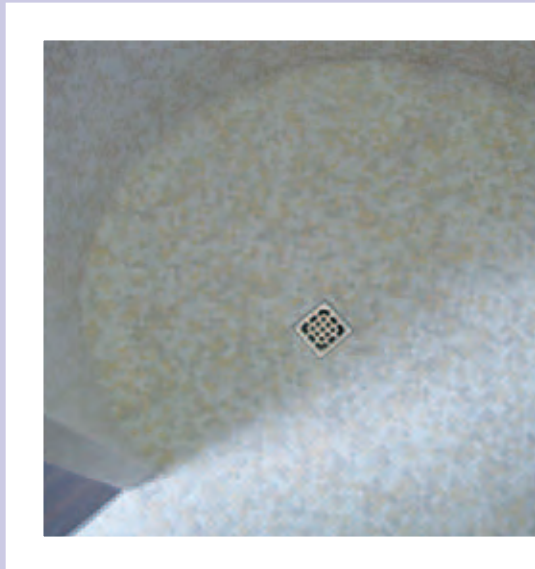
- Thickness: 40 mm
- Inside surface: approx. 0.8 m²,
- Special sizes available on request



JACKOBOARD Panel

- Mounting panel for mounting taps, shower heads and piping to complete the JACKOBOARD Aqua Circle
- With incorporated reinforcement plate and cut-out section at the back for pipes
- Curve radius r = 500 mm
- Special sizes available on request
- Length: 2200 mm
- Width: 345 mm

The extruded polystyrene foam core and an outer layer made of special mortar and fibre glass weave make the installation elements rigid, thermally insulating and lastingly durable. Since they absorb virtually no water whatsoever and can be tiled directly, they are especially suitable for kitchens, bathrooms and wellness areas.



ACCESSORIES



Glass fibre tape

- for reinforcing the butt edges of JACKOBOARD elements
- Roll length: 25 m
- Width: 12.5 cm



Sealing tape

- for sealing the butt edges of JACKOBOARD elements in wet areas
- With rubber coating in the centre
- Roll length/width: 10 m/12.0 cm; 50 m/12.5 cm



Insulation board discs

- Stainless steel insulation board discs
- \varnothing 36 mm
- Hole diameter \varnothing 5.5 mm
- 5/m²



Assembly adhesive

- Solvent-free PU-based adhesive
- For gluing JACKODUR and JACKOBOARD
- Very fast curing
- Very high ultimate strength
- One cartridge is sufficient for about 10 running metres



Metal plugs

- for fastening JACKOBOARD Plano
- 5/m²
- Dowel hole \varnothing 8 mm
- 50 mm, 80 mm, 110 mm, 140 mm



Anchors

- for bolting JACKOBOARD angle elements or JACKOBOARD construction boards to the wall
- Simply plug onto the angle elements or construction boards
- Internal dimensions: 2 cm and 3 cm

You will find all of our accessories in the latest JACKOBOARD catalogue.

Properties		Standard	Unit	XPS core
Bulk density		EN 1602	kg/m ³	> 30
Thermal conductivity λ_D (ageing process without gas-tight lamination)		EN 13164	W/(m·K)	0,034*
Compressive strength and/or compressive stress at 10 % compression		EN 826	N/mm ²	> 0,25
Change in dimension under defined conditions	70°C temperature 90 % relative humidity	EN 1604	%	≤ 5
	70°C temperature 40 kPa pressure	EN 1605	%	≤ 5
Vapour diffusion resistance factor μ (dependent on the thickness)		EN 12086		200–60
Water absorption on long-term immersion		EN 12087	Vol-%	≤ 1
Linear thermal expansion coefficient		–	mm/(m·K)	0,07
Fire behaviour		DIN 4102-1	Klasse	B1
		EN 13501-1		Euroklasse E
Working temperature			°C	-50 /+75

Properties		Standard	Unit	Construction board
Tensile strength		EN 1607	kPa	> 200
Tolerances	Width	EN 822	mm	± 2
	Length	EN 822	mm	± 2
	Rectangularity	EN 824	mm/m	≤ 5
	Evenness	EN 825	mm	≤ 2
Edge profile				butt edge

*80 mm thick: $\lambda_D = 0,035$ W/(m·K)

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