

# JACKBOARD®

The construction board system for creative bathroom design.





Easy to work with



Can be covered immediately with tiles, filler or plaster



Water repellent



Low weight  
approx. 3-6 kg/m<sup>2</sup>



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



High compressive strength  
> 300 kPa



Complete with general building code test certificate (abP)



For rooms exposed to high levels of moisture (Wear class A+B)

Thanks to their extruded polystyrene foam core and the special coating on both sides, the JACKOBOARD® construction boards are the ideal base for plaster and tile. The surfaces of the JACKOBOARD® system provide a strong primer and can be used on virtually any substrate. At the same time, they are water repellent, thermally insulating, light and sturdy.



JACKON Insulation GmbH

## Solutions for construction. Simple but effective.

JACKON Insulation GmbH has successfully operated across Europe as a manufacturer of top quality insulation materials and construction boards in extruded polystyrene foam (XPS) for more than 25 years. Through the development of innovative materials such as the JACKODUR® insulation materials and JACKOBOARD® construction boards we have secured ourselves a strong position for the future in a highly competitive market. We have built up close collaboration with our customers through the ongoing improvement of our products and the continual development of innovative solutions. Today we rank amongst the most innovative companies in the industry.

That's what JACKON Insulation GmbH stands for:

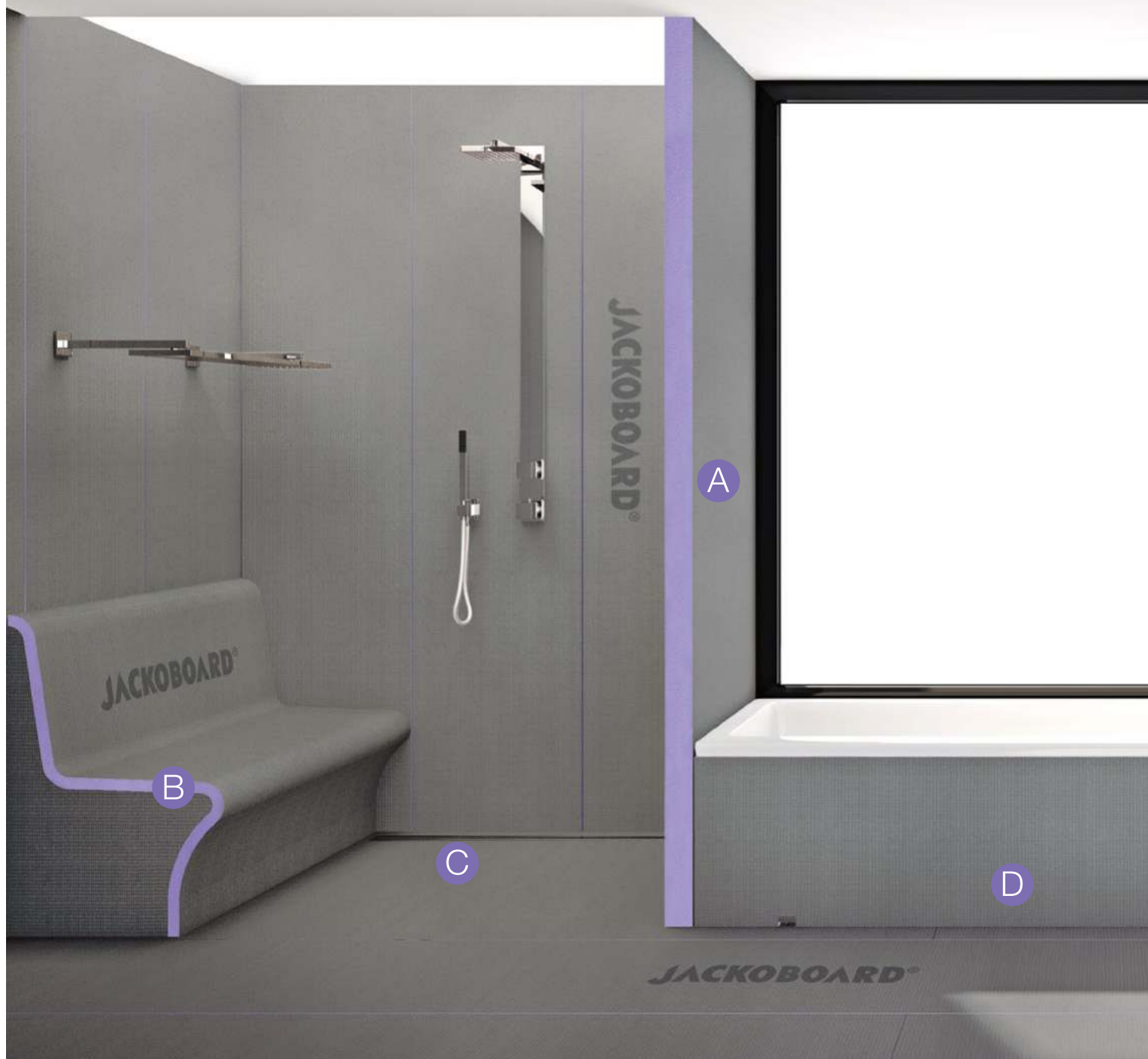
- High-quality and sustainable products - beginning with the careful selection of our raw materials to the choice of our suppliers to the development of energy-efficient products.
- Comprehensive consultation and support for our customers provided by our sales and application technology departments.

With JACKOBOARD® we succeeded in developing a versatile construction board system which is very easy to work with. JACKOBOARD® products also feature excellent quality and ease of installation.

To assure this quality on a lasting basis whilst providing customer-oriented optimisation, our engineers continuously refine the JACKOBOARD® construction board system. Fabricators and planners throughout Europe appreciate in particular the outstanding material properties, the wide range of possible applications and the simple, creative and practical use of JACKOBOARD®.



The JACKOBOARD® construction board system - versatile and fully compatible.



A

### JACKOBOARD® Plano

The high-quality "all-rounder". Walls, floors, bath panelling or furniture constructions. Anything is possible with the construction board JACKOBOARD® Plano.

C

B

### JACKOBOARD® Flexo/Flexo Plus

Pliable and flexible. With these bendable construction boards, round shapes can be created very easily.

D

Our complete JACKOBOARD® range is available on:  
[www.jackon-insulation.com](http://www.jackon-insulation.com)



### JACKOBOARD® Aqua

Floor-level shower elements for barrier-free showers.  
Available in many different designs.

### JACKOBOARD® Wabo

The fast and easy way to panel bathtubs.

E

### JACKOBOARD® Canto

Pre-fabricated element for fast pipe cladding.

F

### JACKOBOARD® Sabo

Assembly kit for cladding WC wall elements.

# Innovative solutions for interior work.



Easy to work with



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with tiles, filler or plaster



Water repellent



Low weight  
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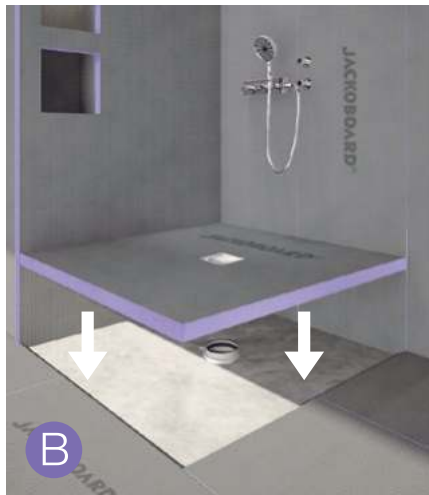


For rooms exposed to high levels of moisture  
(Wear class A+B)

When planning a new bathroom or modernising old bathrooms, ideas can be implemented easily and safely with the JACKOBOARD® construction board system. When it comes to walls and floor structures, partition walls, shelves, washstands, floor-level showers, tub solutions or special furniture ideas, JACKOBOARD® offers a durable high product quality solution for every idea!











# JACKOBOARD® Plano



The high-quality  
all-round construction  
board for many  
applications.

Walls, floors, bath panelling, furniture or individual designs: the versatility of the construction board JACKOBOARD® Plano is unique. Whether you are planning a complete bathroom, individual washstands, shower structures or special single pieces, ideas take on a tangible form with JACKOBOARD® Plano. The construction boards can be cut to any desired shape and to any dimension.

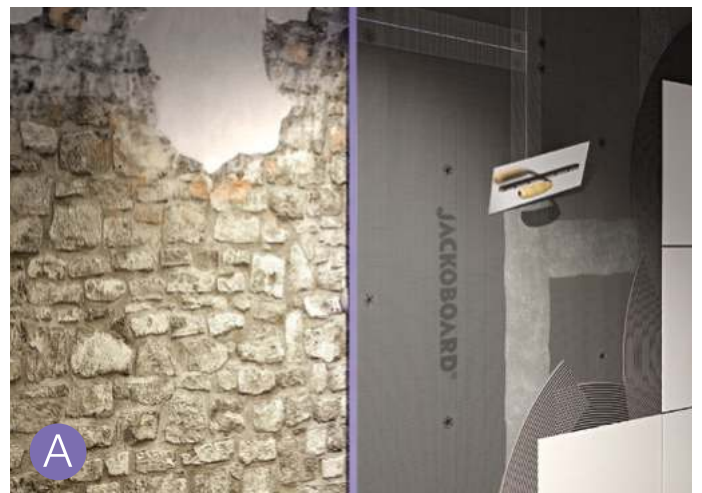
Thanks to the different thicknesses, there is no limit to the design flexibility of the construction boards for wall, floor and construction applications. They can be used on virtually any substrate and master every challenge thanks to their easy use.

"What is the solution for walls whose lower half is done in tiles?"  
"What should we do with the old wall coverings?"



No matter what the old substrate is made of, JACKOBOARD® Plano is the solution for bathroom renovations. These questions are frequently asked during bathroom renovation. JACKOBOARD® Plano offers a simple answer. Uneven walls can be levelled, and flat, uniform surfaces can be created with the JACKOBOARD® construction boards. Combined with the JACKOBOARD® metal plugs, the JACKOBOARD® construction boards can also be used on non-adhesive old wall coverings. The construction boards are permanently fixed by the metal plugs on the substrate and provide a safe and adhesive substrate for the tile coverings.

Uneven wall







# JACKOBOARD® Plano



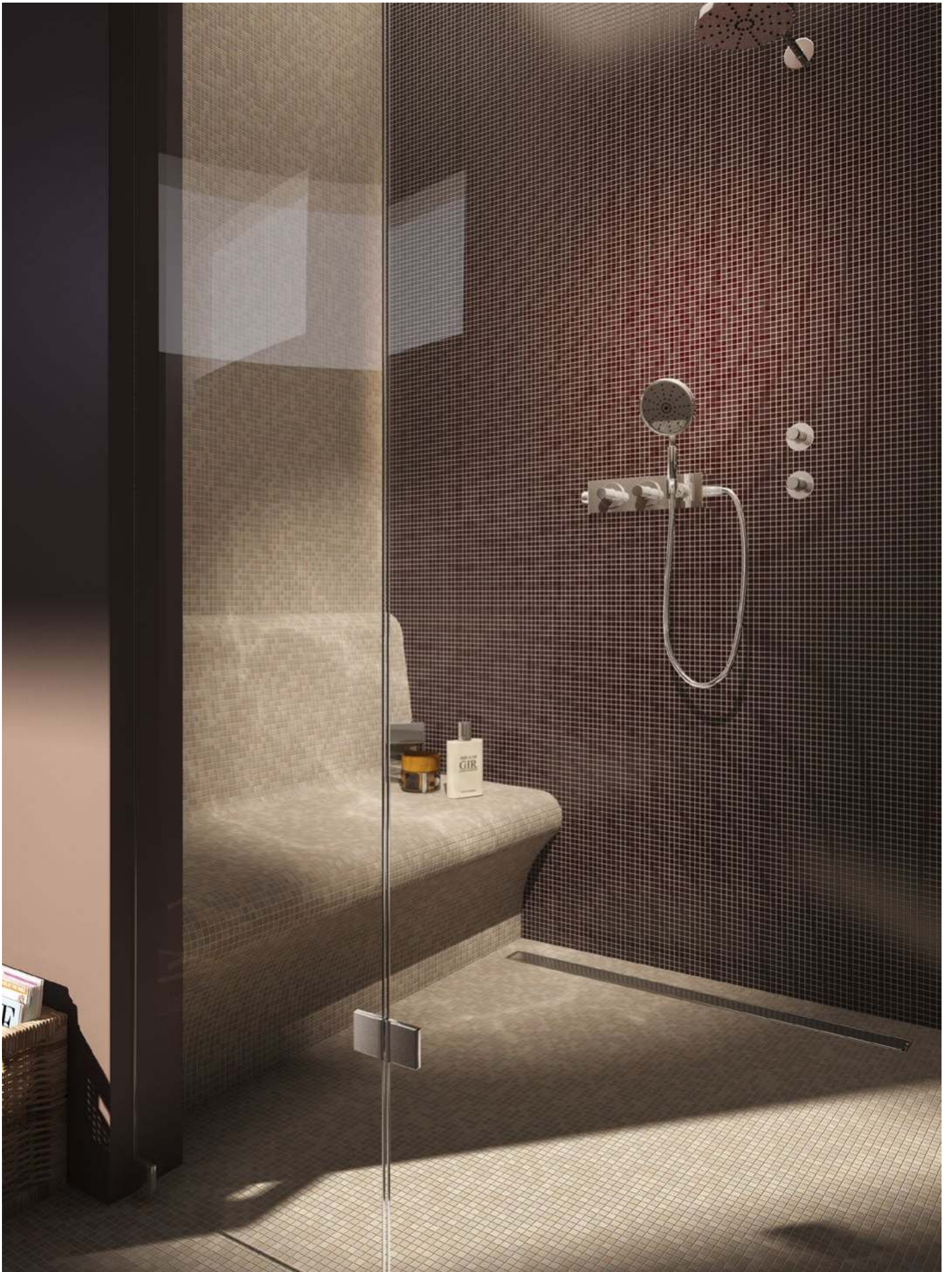
Non-adhesive wall



Installation on mineral substrates





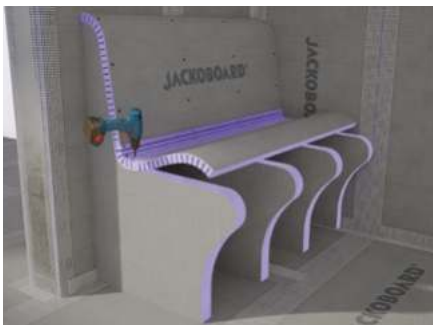
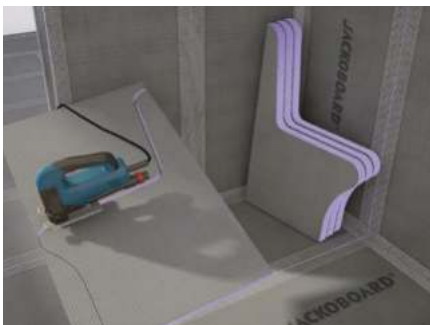




# The flexible construction boards for free design.

With JACKOBOARD® Flexo and Flexo Plus you can design individual shapes according to your own personal specifications. Slightly rounded elements can easily be created with Flexo, and Flexo Plus offers maximum scope for your ideas when designing very narrow radii.

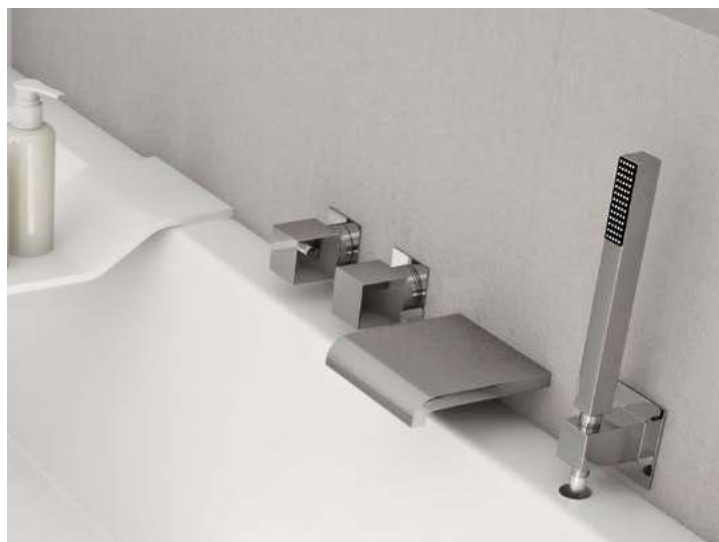
JACKOBOARD® Flexo and Flexo Plus can be formed into any desired shape thanks to the pre-slotted surface.





JACKOBOARD®

Wabo



The fast way  
to panel bathtubs.

With JACKOBOARD® Wabo you can assemble tileable bath panelling in just a few work steps. The kicker, additional platforms, sitting steps and foot-steps, as well as shelves, can easily be constructed around the tub with JACKOBOARD® Plano.





# JACKOBOARD® Sabo

## The ready-to-use cladding for WC wall elements.

Just assemble it and you're done! JACKOBOARD® Sabo is a complete assembly kit for cladding WC wall elements. The holes in the cladding board are suitable for all standard toilets. Despite its low weight, JACKOBOARD® Sabo is pressure-resistant and can easily withstand the compressive loads resulting from the WC wall.



# Floor-level showers.



High compressive strength  
> 300 kPa



Can be covered immediately  
with tiles



Barrier-free



Water repellent



Wheelchair-accessible



Low installation height



CNC milled fall



Complete with general building code  
test certificate (abP)

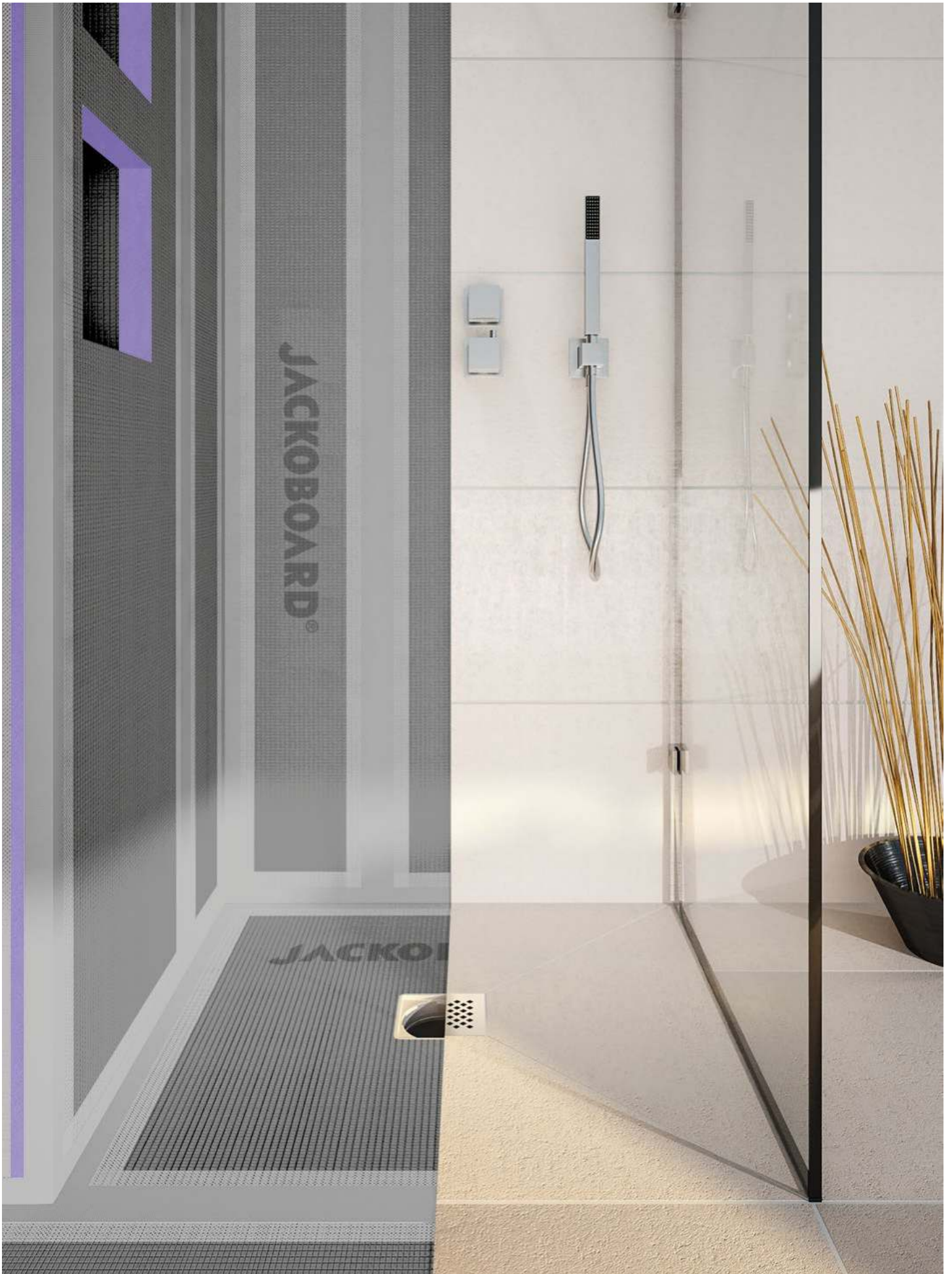


High drainage rate > 0.90 l/s

JACKOBOARD® Aqua shower elements stand out not only due to their functionality – they are also an attractive design element making floor-level showers both practical and aesthetic. This combination is in demand in modern bathroom architecture because the bathroom has long since been more than a functional room and becomes a place to unwind and relax - ideally done in a stylish ambience.









# Barrier-free shower elements for every spatial geometry.

Whether square, rectangular, in a semi-circular shape, placed in the middle of the room, against a wall or in a corner JACKOBOARD® Aqua shower elements provide an ideal solution for every space. Also they can easily be constructed into a complete shower with the JACKOBOARD® construction boards.



All Aqua shower elements can be covered immediately with tiles and have an incorporated fall. In addition to the standard sizes JACKOBOARD® Aqua is also available, on request, in a wide range of made-to-measure sizes and shapes. The drain position can be selected freely.

Stainless steel grate with brushed surface.

Odour trap

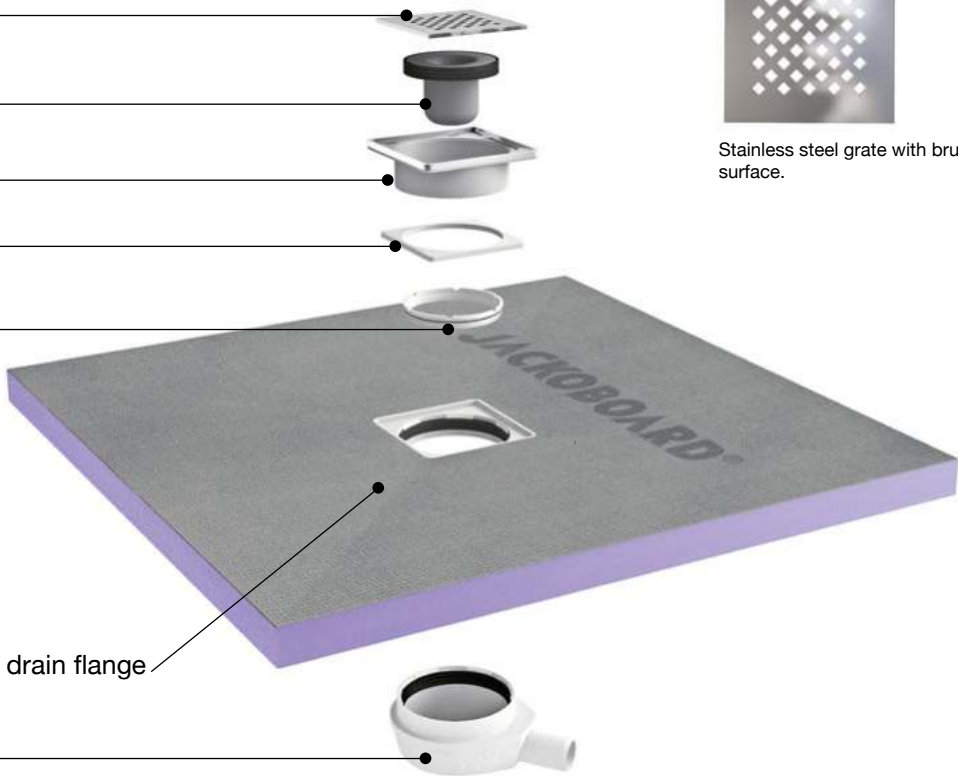
Grate support frame

Grate extension insert

Clamping collar

JACKOBOARD® Aqua shower element with sealed drain flange

Shower base

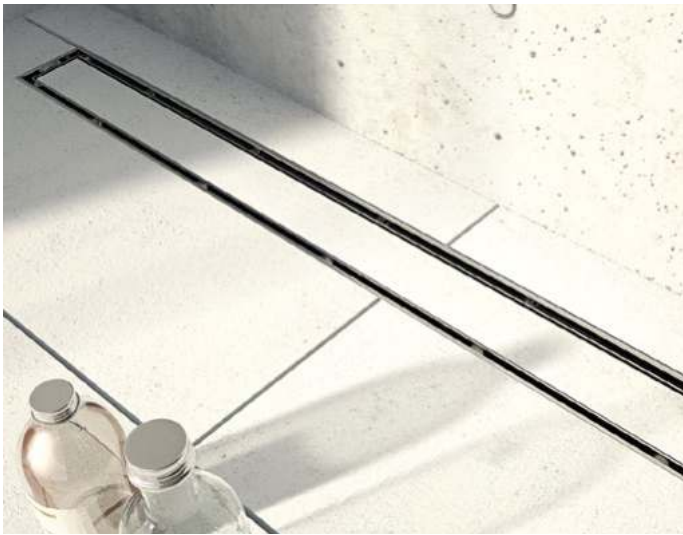


Stainless steel grate with brushed surface.







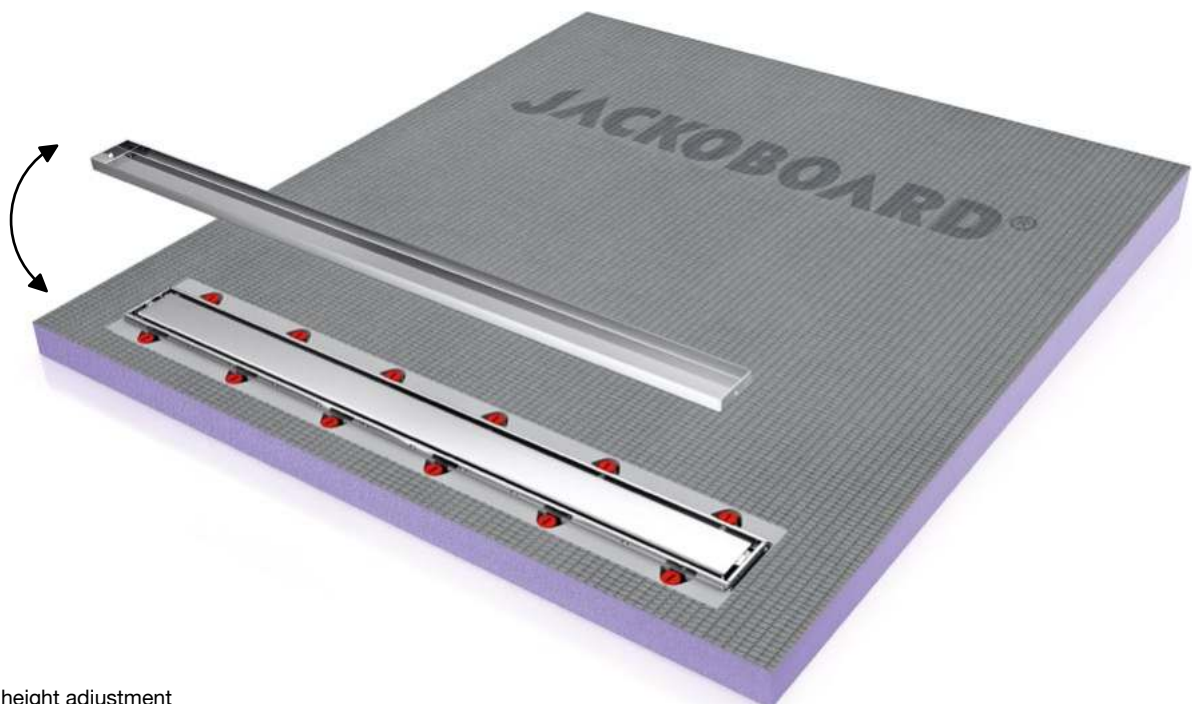



## JACKOBOARD® Aqua Line pro

### The channel drain board for efficient drainage.

The new channel drain board combines all the properties the bathroom and sanitary industry requires: incorporated fall, high drainage rate of up to 1.05 l/s with a low installation height, height-adjustable for tile thicknesses of 6 to 21 mm, excellent appearance and availability in different dimensions, shapes and channel lengths.

The special feature: the channel remains visible with a classy brushed stainless steel look or the stainless steel bar can be inserted upside down and tiled on the back. Then the channel is no longer visible and disappears completely in the tile covering of the shower floor.



 Easy height adjustment  
for different tile thicknesses

# JACKOBOARD® Aqua Flat



The pro for  
wooden beam ceilings.

JACKOBOARD® Aqua Flat is a walk-in shower element which is particularly well suited for use on wooden beam ceilings. Thanks to the extremely low thickness of only 20 mm, Aqua Flat can easily be integrated in the timber framework so that it is installed flush with the wooden floor.



## JACKOBOARD® Aqua Delta

### The shower corner.

JACKOBOARD® Aqua Delta is a stylish alternative for barrier-free showers. The placement of drain in the corner and the incorporated fall gives the tiled floor a uniform appearance. The height and side-adjustable stainless steel grate can easily be adapted to different tile thicknesses and sizes.



# Design objects.

JACKOBOARD® design objects stand for well thought-out shapes using high quality product which give you full scope to create the elements according to your personal requirements. JACKOBOARD® provides for optimum solutions allowing you to decide the ultimate design and configuration.







Surface finish with different coloured tiles



Surface finish with mosaic tiles







## JACKOBOARD® Vanity

### The new "floating" design washstand.

The JACKOBOARD® Vanity design washstand is an eye-catcher in every bathroom. It is cut in one piece from a specially coated block of XPS foam which is impermeable to water. The adapters for mounting the drain, fittings and water tap are already integrated. The special feature: you take care of the design! This means that all surfaces can be tiled and specified according to your requirements.

JACKOBOARD® Vanity is supported by 2 special wall brackets which are trimmed in the board. Although the "floating" washstand has no substructure, it is extremely stable and it also meets all requirements for a barrier-free washing area.









## JACKOBOARD® Aqua Spiral

### Floor-level spa shower in a special shape.

An eye-catching design whose "Archimedean spiral shape" displays the harmonious proportions of the golden ratio – a USP that only JACKOBOARD® Spiral offers. Thanks to the special shape, a door as splash water protection is not necessary. Which means: comfortable showering pleasure on approx. 2 square metres of space.



The floor element has an incorporated fall and a groove for the partition elements. The shower partition comprises 7 single elements which can easily be attached together thanks to the tongue-and-groove system. The access is on the right or on the left as desired.



# Technical specifications

## JACKOBOARD® Plano

Properties	Standard	Unit	XPS core
Bulk density	EN 1602	kg/m <sup>3</sup>	> 30
Thermal conductivity $\lambda_D$	EN 13164	W/(m·K)	0.034 <sup>1)</sup>
Compressive strength and/or compressive stress at 10% compression	EN 826	N/mm <sup>2</sup>	> 0,30 <sup>2)</sup>
Dimensional stability at 70°C and 90% relative humidity	EN 1604	%	≤ 5
Deformation under 40 kPa load and 70°C temperature	EN 1605	%	≤ 5
Vapour diffusion resistance factor $\mu$ (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	EN 13501-1	Class	Euroclass E
Working temperature	-	°C	-50 /+75

Properties	Standard	Unit	JACKOBOARD® Plano	
Tensile strength	EN 1607	kPa	≥ 200	
Tolerances	Width	EN 822	± 2	
	Length	EN 822	± 2	
	Rectangularity	EN 824	mm/m	≤ 5
	Evenness	EN 825	mm	≤ 2
Edge profile	-	-	butt edge	

<sup>1)</sup> 80 mm  $\lambda_D = 0.035$  W/(m·K)

<sup>2)</sup> 0.2 N/mm<sup>2</sup> for Plano construction board 20 mm

We would like to point out that the data, images, technical information and drawings provided in the brochure are general details and only constitute suggestions. The illustrations are schematic and demonstrate the basic functional principle. Exact dimensions are not specified. The fabricator/customer is responsible for testing the applicability with regard to the respective construction project. All specifications and data must be adapted to local conditions and do not constitute construction, detail or installation documentation. The technical specifications and data for the products in the data sheets and system descriptions/approvals must be observed.



## JACKOBOARD® Aqua shower element

Properties	Unit	Value
Compressive strength at 10% compression according to EN 826 (XPS core)	kPa	> 300
Tensile strength	kPa	> 200
Fall	-	integrated
Thickness	mm	20, 40, 50
Minimum tile size	mm	25 x 25 x 4 <sup>1)</sup>
Wheelchair accessible from tile size	mm	50 x 50 x 6,5
Fire behaviour	-	Euroclass E
Thermal conductivity ( $\lambda_D$ ) according to EN 13164 (XPS core)	W/(m·K)	0.034

<sup>1)</sup> For smaller tile sizes the joints must be grouted with epoxy resin grout.

### Horizontal drain (Art. no. 4512007)

Properties	Unit	Value
Drainage rate	l/s	0,9
Installation height	mm	77
Water trap height	mm	50 <sup>2)</sup>
Grate load class	-	K3
Pipe connection	-	DN 50
Grate size	mm	120 x 120 x 4
Grate frame size	mm	130 x 130 x 9
Tile thickness incl. plaster	mm	3-38

<sup>2)</sup> Installation height incl. shower element up to 97 mm

### Vertical drain (Art. no. 4512008)

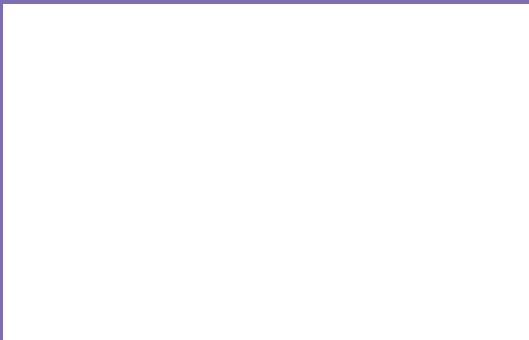
Properties	Unit	Value
Drainage rate	l/s	0,9
Installation height	mm	115 <sup>3)</sup>
Water trap height	mm	50
Grate load class	-	K3
Pipe connection	-	DN 40 and DN 50
Grate size	mm	120 x 120 x 4
Grate frame size	mm	130 x 130 x 9
Tile thickness incl. plaster	mm	3-38

<sup>3)</sup> Floor drain underside (without drain nozzle)

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