



WIM **Platte**
System

MODERN BATHROOM



Modern Bathroom – Home Spa & Wellness

Wellness is much more than therapeutic or relaxing treatments only. Indeed, it is a philosophy of life, whose aim is wellbeing and enhancing your potential as a result of harmony between the body, mind and spirit. Following this approach ensures wellbeing on a daily basis. All that can be achieved at a SPA. The treatments it offers bring relief to your tired body, soothe the senses and take care of the condition of your mind. Contemporary SPAs are not only facilities (massage and relaxation rooms, wet and dry saunas, showers, jacuzzi, hot and cold water pools, fitness rooms), but true oases of relaxation which use special rituals, massages and water therapies to give you pleasant experiences. They are becoming leisure centres, which must meet highest expectations in terms of aesthetics and perfect appearance. Various finishing materials available include metallised tiles, glass mosaics, metals and wood, whose variety in terms of colour, arrangement and size allows emphasising selected aspects and details of the interior. This lifestyle sets new standards – standards of open space (for example, installation of the WIM Platte walk in shower tray, flush with the floor surface), selection of shapes (straight, round, semi-circular – WIM Platte Construction Boards) in the bathroom. In fact, the bathroom is a place which "consolidates" the whole day. It is the place where you go at the beginning and at the end of the day. It should emanate warmth, cosiness and have a special place in your awareness. To meet these expectations in the times of limited space availability, one should focus in particular on proper selection of interior arrangement and equipment elements.

INNOVATION

Innovative ideas, new technologies, system solutions.



MATERIALS

Construction chemicals of the highest quality. Products for professionals.

CONTRACTORS

Long-term cooperation and contact with contractors. Training, fairs, shows. Affiliate programme for contractors.

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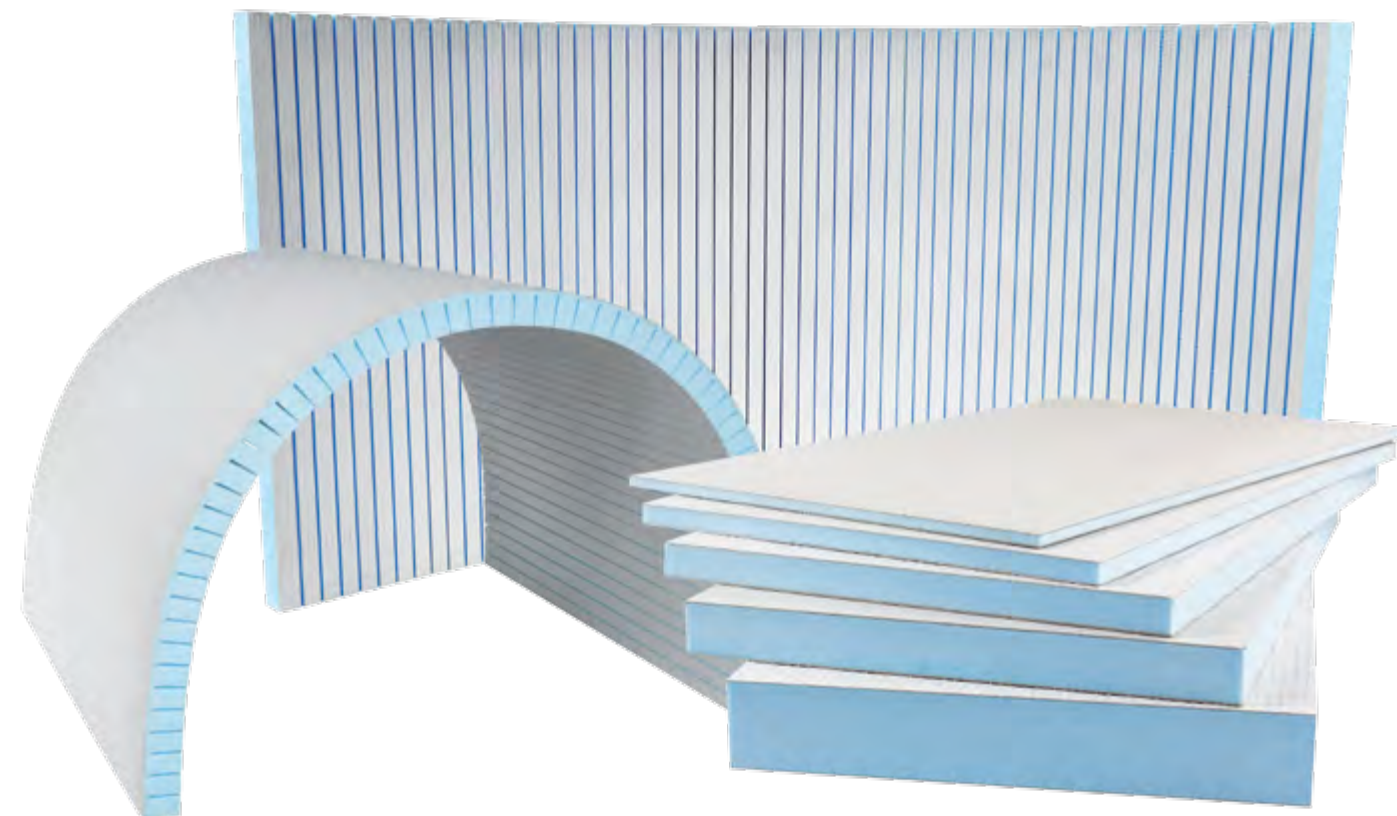
Maximum freedom in space arrangement

WIM Platte Construction Board. What is it?

A multifunctional and modern product – lightweight, clean, easy to transport, simple and quick in processing. It enables great flexibility with respect to individual arrangements, for both small and large spaces. Suitable not only for designing of floors (the board demonstrates high load strength), but also of whole rooms (high structural rigidity). Washbasin mounting tops, racks, shelves, seats, bathroom couches, bathtub casings, shower cubicles (corner, semi-circular and snail shaped), all that tailor made, depending on the user's taste or the designer's creativity.

The product has the Technical Approval Certificate of the Building Research Institute (ITB) no AT 5-9012/2012





Maximum freedom in space arrangement

What is it used for?

Designed for levelling and building over of wall and floor surfaces, indoors and outdoors, as well as constructing various load bearing elements under ceramic tiles, particularly in areas exposed to the influence of water and humidity.

Particular applications:

- for levelling wall surfaces,
- for dry construction, in order to completely replace plasterboard in the bathroom,
- for use in places exposed to intensive influence of humidity and liquefied steam, i.e. in bathrooms, showers, steam baths,
- for building over sanitary equipment (bathtubs, shower trays, recessed installations, etc.),
- for building over pipes, water supply and sewage shafts,
- material for construction of washbasin tops, shelves, steps, seats and other elements constituting room fittings,
- as direct base under ceramic tile cladding, mosaics, structural plasters or painting coatings,
- for erection of walls and partition walls,
- for construction of curves, arcs, semi-circular and concave elements.

Composition:

Extruded polystyrene (in short: XPS) core, compliant with norm PN-EN 13164:2010, strengthened with glass fibre mesh on both sides, covered with special cement mortar modified with synthetic resins.

XPS

Used in production of WIM Platte Construction Boards, classified as a material not containing substances harmful to people and the environment pursuant to EU Regulation 1907/2006/EC and, therefore, it does not require preregistration under the REACH system.

Environmentally friendly

Polystyrene extrusion process allows production of material with a homogenous structure, composed of small, closed cells and a smooth surface. It does not contain hydrochlorofluorocarbons (HCFC) and meets both the requirements of Regulation (EC) 2037/2000 of the European Parliament and of the Council (of 1 October 2000) on substances that deplete the ozone layer and of Directive 2002/91/EC on the energy performance of buildings. In the times of high requirements accompanying contemporary engineering and construction projects, extruded polystyrene boards guarantee satisfaction thereof thanks to their usable properties and strength, demonstrated throughout the construction use period.

WIM Platte Construction Boards are:

- completely neutral, not harmful to the health,
- an ecological material which does not pollute the air, soil or water,
- self-extinguishing, they do not catch fire from a spark or cigarette, they do not cause propagation of fire (according to norm PN-EN 13501-1+A1:2010),
- resistant to humidity – resistant to fungi growth,
- frost and water resistant,
- exceptionally lightweight.

WIM Platte Construction Boards demonstrate:

- excellent and constant insulation properties, heat conductivity according to PN-EN 13164 – 0,033 W/(m-K),
- zero capillarity,
- high and long-term compressive strength,
- high resilience module value (norm PN-EN 826 – 10.000 kPa),
- high steam diffusion resistance (norm PN–EN12086 – 100)

WIM Platte Construction Board has the Technical Approval Certificate of the Building Research Institute (ITB) no AT-15-9012/2012

Thickness (mm)	WIM Platte Construction Board				WIM Platte cutting Construction Board			
	Size (mm)	PZP points	Size (mm)	PZP points	Size (mm)	PZP points	Size (mm)	PZP points
6	600 x 1200	8	600 x 2500	17	—	—	—	—
12	600 x 1200	10	600 x 2500	21	—	—	—	—
20	600 x 1200	12	600 x 2500	25	600 x 1200	12	600 x 2500	25
30	600 x 1200	14	600 x 2500	29	600 x 1200	14	600 x 2500	29
50	600 x 1200	16	600 x 2500	33	600 x 1200	16	600 x 2500	33

WIM Platte Construction Board – data sheet

CHARACTERISTICS	NORM	UNIT	WIM PLATTE CONSTRUCTION BOARD
Declared thermal conductivity3) - λD		λD	λD
λ Declared thermal resistance Z-23.15-1476	DIN 4108-4	W/(m·K)	0,03
d = 6 mm	PN-EN 13164	W/(m·K)	0.029
d = 12 mm	PN-EN 13164	W/(m·K)	0.029
d = 20 mm	PN-EN 13164	W/(m·K)	0.029
d = 30 mm	PN-EN 13164	W/(m·K)	0.029
d = 50 mm	PN-EN 13164	W/(m·K)	0.029
The apparent density of the core, kg/m³	PN-EN 1602:1999		≥ 36
Compressive stress at 10% deformation or compression strength	PN-EN 826	N/mm²	0,3
Elastic modulus – E	PN-EN 826	N/mm²	12 (for thickness 6, 12, 20, 30 mm)
			15 (for thickness 50 mm)
Tensile strength perpendicular to board surface, MPa:	PN-EN 1607:1999		
– after 28 days in the laboratory			≥ 0,40
– after 7 days in the laboratory and 21 days in wather			≥ 0,40
– after 7 days under laboratory conditions, and 14 days at 70° C			≥ 0,40
– after 7 days under laboratory conditions, 21 days in water and then after 25 freeze-thaw cycles in water			≥ 0,14
Resistance to steam transmission – μ (współczynnik oporu dyfuzyjnego)	PN-EN 12086	–	100
Long term water absorption by total immersion, EN identification: WL(T)i	PN-EN 13164	Poziom	–
	PN-EN 12087	Vol. – %	≤ 1,5
Long term water absorption by diffusion	PN-EN 13164	Poziom	–
Designation EN: WD(V)i			
dN = 50 mm	PN-EN 12088	Vol. – %	–
Capillarity			0
Maximum ambient temperature		°C	-50 / +75
Linear thermal expansion		mm/(m·K)	0.07
Fire classification	PN-EN 13501-1	Euroklasa	E
Dimensions	PN-EN 822	mm	600 x 1200
Lenght x Width			600 x 2500
Thickness – dN	PN-EN 823	mm	6, 12, (20), (30), (50)
Tolerance (mm): – lenght – width – thickness	PN-EN 822:1998		± 10 ± 8 0/+3
Flatness dimensional tolerance, mm/m	PN-EN 825:1998		≤ 14
Squareness dimensional tolerance, mm/m	PN-EN 824:1998		≤ 5
Edge shape			Prosta
Surface			Szorstka
External appearance		Sheets of blue color on both sides finished with a layer of mortar reinforced with fiberglass mesh; no mechanical damage to the surface and edges of the plates; side surfaces of the simple plates; in the case of the disc trays of pre-positioned drain - bottom surface of the plate smooth, upper surface with a slope towards the drain.u.	

Board mounting on adhesive using the whole-surface method.

To be applied:

- if tiles cannot be glued onto old walls,
- to equalise level differences,
- in case of uneven base surface,
- for renovation and refurbishment of old bathrooms.

Working technology:

- 1) Before beginning work, clean the surface thoroughly and apply primer (e.g. WIM Primer or WIM Strengthening Primer).
- 2) Apply WIM Levelling Mortar to smoothen cavities and uneven surface.
- 3) Once the base surface is prepared as above, apply the adhesive (WIM Flex) using a notched trowel (photo 1).
- 4) Press the board against the adhesive layer, so that the board is in contact with the adhesive throughout its surface (photos 2 and 3).
- 5) Align the board vertically and horizontally using a spirit level (photo 4).
- 6) To achieve greater rigidity and additional sealing, adjacent board surfaces may also be joined with polyurethane glue sealant (photo 5).
- 7) Fill the board joints with adhesive and seal them with WIM FLEXBAND sealing band (photo 6) (particularly important in areas with potential humidity exposure).

NOTE: For punctual gluing with anchoring, use 12, 20, 30 and 50 mm thick boards.



Detailed information on use of WIM chemical construction products is available on our You Tube channel at www.youtube.com/user/WIMspzoo

Board mounting by punctual gluing with anchoring

To be applied:

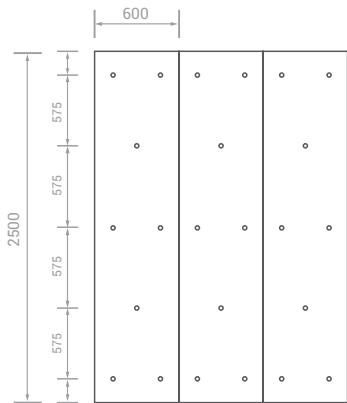
- in case of uneven base surface,
- if the deviation from the vertical is greater than 10 mm,
- in case of base surfaces not suitable for application of cement based adhesive.

Working technology:

- 1) On the construction board, mark the places where adhesive portions are to be applied.
- 2) Pierce the board through with a drill or a screwdriver (photo 2).
- 3) In marked places, apply a suitable quantity of the adhesive, forming so-called “dots” (photo 3).
- 4) To achieve greater rigidity and additional sealing, adjacent board surfaces may also be joined with polyurethane glue sealant.
- 5) Place the board against the wall, press it against the wall surface, then align the board vertically and horizontally using a spirit level (photo 4).
- 6) When the adhesive has hardened, drill the openings for anchoring.
- 7) Begin anchoring after the adhesive has bonded, in the prepared wall openings (drilled through the board and the layer of bonded adhesive).
- 8) Place anchoring elements in the openings and drive them in using a hammer (photo 8).
- 9) Fill the board joints with adhesive and seal them with WIM FLEXBAND sealing band (particularly important in areas with potential humidity exposure) (photo 9).

Suitable fixing of construction boards

To ensure proper fixing of the board, use 5 anchors/m² spaced vertically at every 575 mm along the longitudinal axis of the board, bottom up, at 100 mm from the board edge.



NOTE: For punctual bonding with anchoring, use 12, 20, 30 and 50mm thick boards.

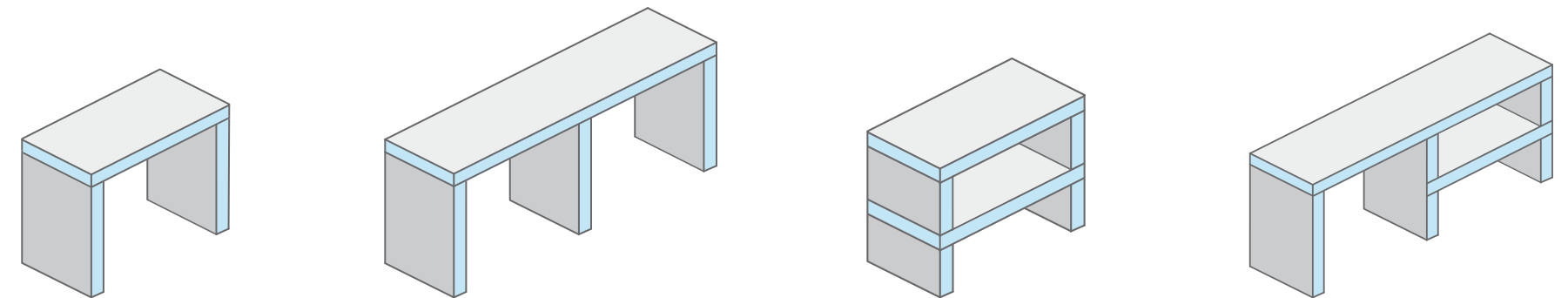


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Washbasin mounting tops

WIM Platte Construction Board is exceptionally easy to work with, allowing simple construction of any shape washbasin mounting top – with or without an additional shelf, for washbasins mounted in or on the top. In addition to purely practical functions, such elements play an important role in development of a harmonious and aesthetic interior, enabling combination of beautiful design with creative bathroom interior.



Construction of a washbasin mounting top.

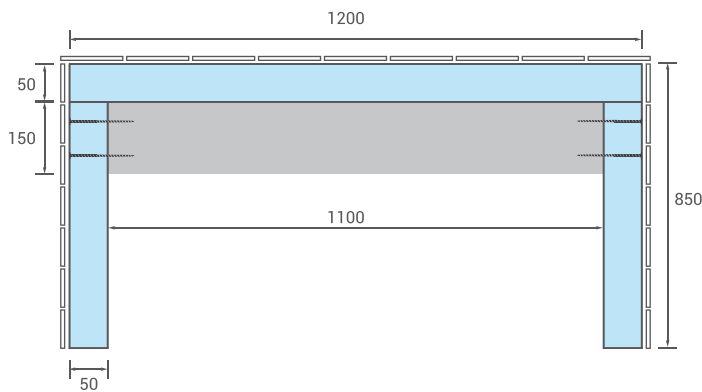
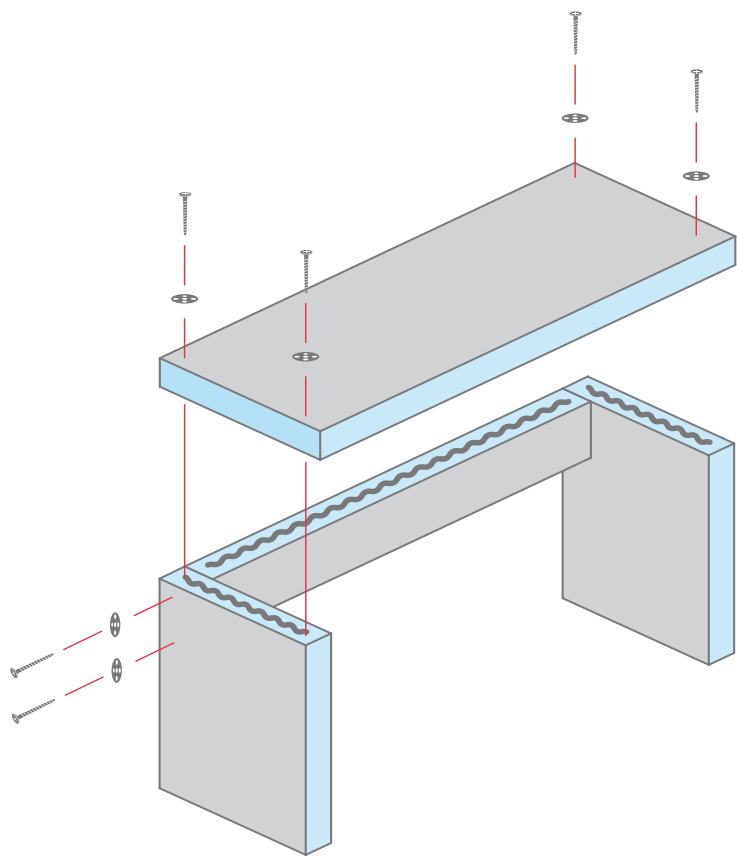
Tools and materials required:

- 50mm thick WIM Platte Construction Board,
- knife, manual saw, jigsaw,
- polyurethane glue sealant,
- wood screws and plates.

Working technology:

- 1) Measure and cut out from the construction board elements to be used for construction.
- 2) Glue the elements together using a polyurethane or hybrid glue sealant (in MS Polymer or SMX technology).
- 3) While joining the boards, to stabilise the construction and join it until the bonding product hardens, screw the elements together using special high thread and long pitch screws (e.g. wood screws).
- 4) To prevent the board from being punched through by the screws, special plates or washers may be used to enlarge the contact surface.
- 5) While fixing particular elements perpendicular to the wall or other elements without the possibility to fix them from the other side, use stabilising metal angle bars in addition to fixing with polyurethane bonding product.

SAMPLE SIZE:			
Width:	High:	Depth:	Plate thickness:
1200 mm	850 mm	600 mm	50 mm



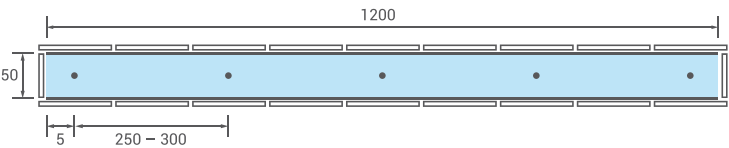
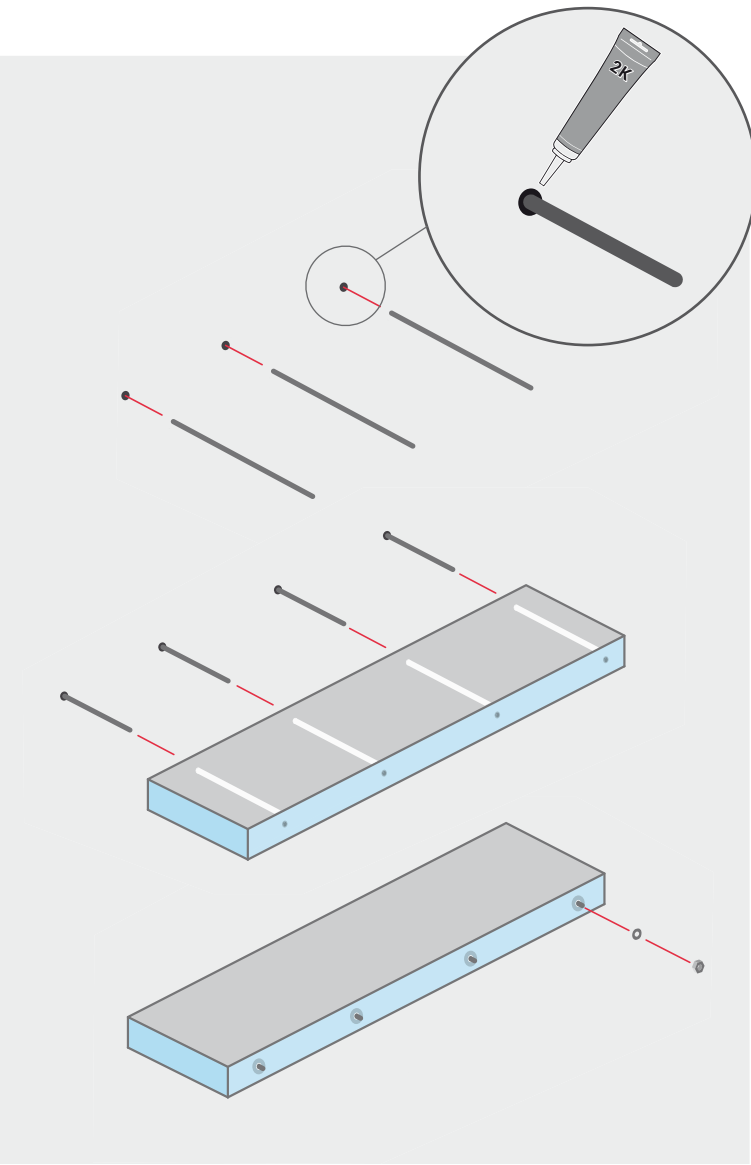
Construction of a wall mounted top.

Construction boards may be cut and processed with a variety of tools. These range from a knife, manual saw, to jigsaw or electric saw.

Working technology:

- 1) Measure and cut out elements to be mounted in the wall from the construction board (50mm thick construction board).
- 2) At every 250 – 300 mm (depending on expected loads), drill openings in the wall and in the board.
- 3) Enlarge the openings (external board surface) to fit Ø 25 washers plus thickness of the nut.
- 4) Remove dust from the drilled openings with compressed air, a brush or vacuum cleaner.
- 5) Inject resin into the wall openings (chemical anchoring products available in the market) at approximately 2/3 of their volume, insert and align the bars (with minimum Ø 12 threading).
- 6) After the resin has hardened and the bars have “dried up” in the wall, apply polyurethane glue sealant into the board openings (at approximately 2/3 of their volume).
- 7) Bond the face of the board (board surface to be in contact with the wall) using polyurethane glue sealant to ensure additional strengthening.

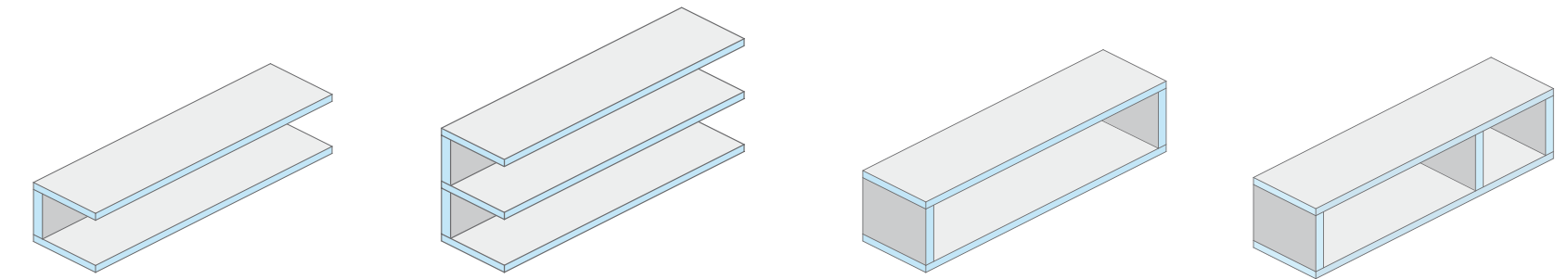
SAMPLE SIZE:		
Width:	Depth:	Plate thickness:
1200 mm	400 mm	50 mm





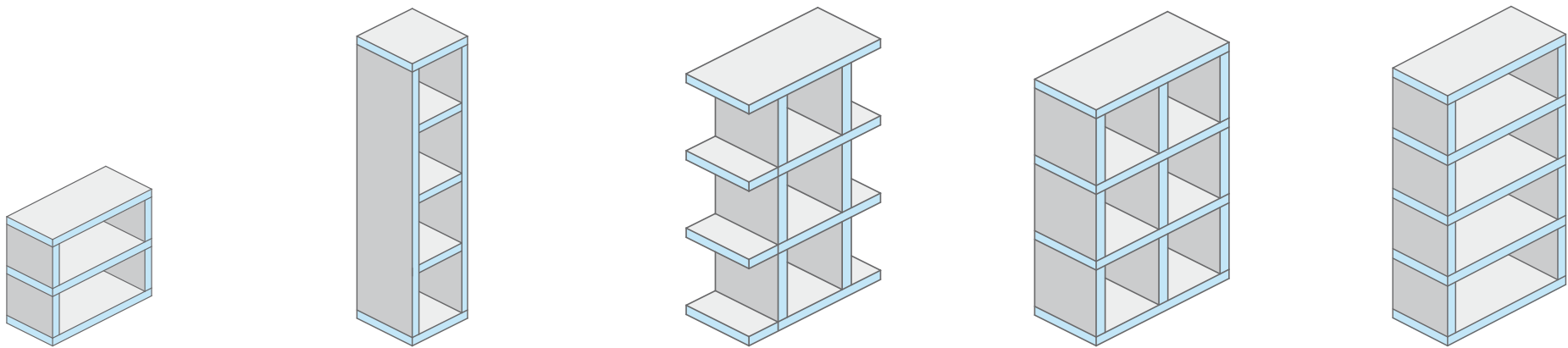
Shelves, racks and casings

WIM Platte Construction Boards may be used as material for constructing various shelves and recesses. Along with appropriate fixing system, high strength and rigidity of structures made from construction boards guarantee stability and resistance to pressures. The construction boards allow exceptionally comfortable and original bathroom arrangement..

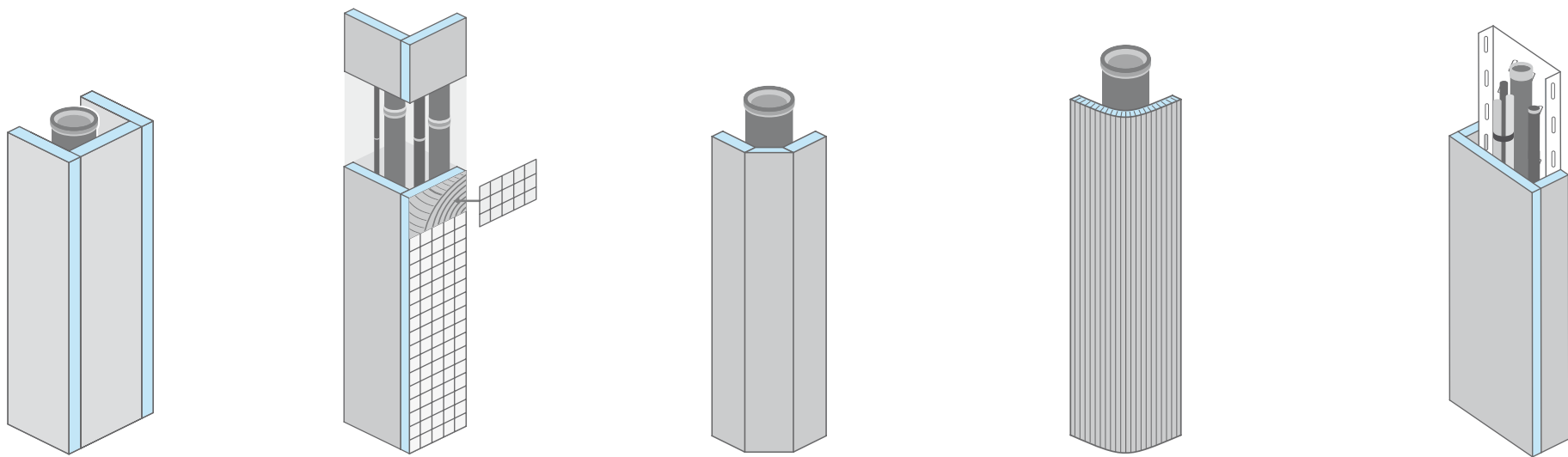


Racks

Short erection time and construction progress are particularly important to investors. Using WIM Platte Construction Boards, you are able to construct racks, shelves and various casings – for example, to cover sewage pipes, columns, bathtubs (round, semi-circular, rectangular) within a very short time. It replaces problematic plasterboard and gypsum fibreboard in areas and rooms exposed to contact with humidity and water



Casings of installation shafts and cable routes



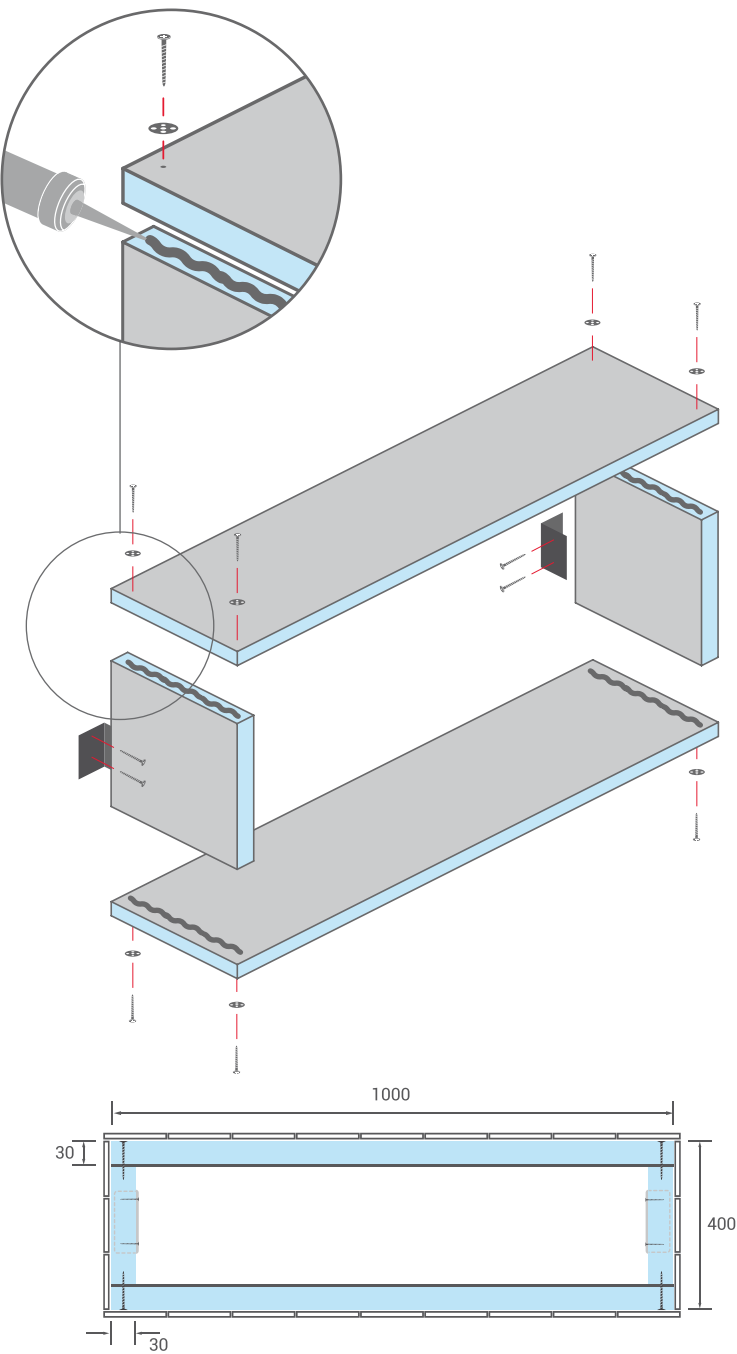
Construction of a hanging shelf

Construction boards may be cut and processed with a variety of tools. These range from a knife, manual saw, to jigsaw or electric saw.

Working technology:

- 1) Measure and cut out from the construction board elements to be used for construction.
- 2) Glue the elements together using a polyurethane or hybrid glue sealant (in MS Polymer or SMX technology).
- 3) While joining the boards, to stabilise the construction and join it until the bonding product hardens, screw the elements together using special high thread and long pitch screws (e.g. wood screws).
- 4) To prevent the board from being punched through by the screws, special plates or washers may be used to enlarge the contact surface.
- 5) While fixing particular elements perpendicular to the wall or other elements without the possibility to fix them from the other side, use stabilising metal angle bars in addition to fixing with polyurethane bonding product.

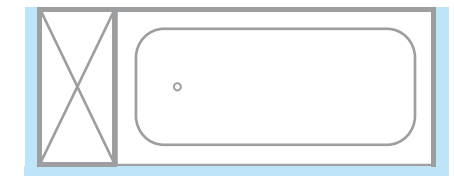
SAMPLE SIZE:			
Width:	High:	Depth:	Plate thickness:
1000 mm	400 mm	300 mm	30 – 50 mm





Bathtub casings

Corner mounted, elliptical-shaped, round or even hexagon bathtubs – the market offers a great variety of forms. Thanks to the innovative WIM Platte Construction Board, all these shapes may be arranged in an individual manner, in line with your expectations.

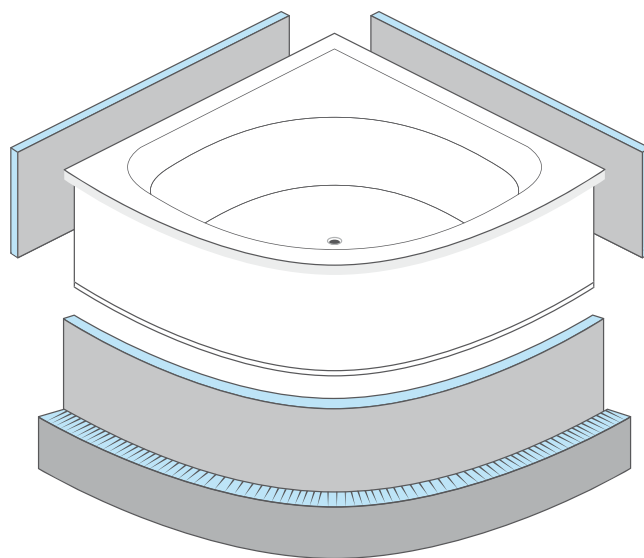
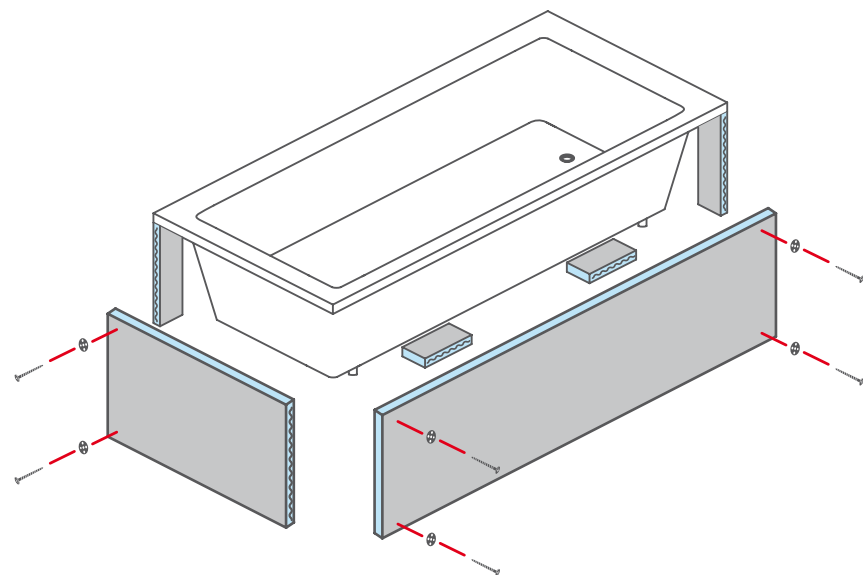


Bathtub casing

Construction boards may be cut and processed with a variety of tools. These range from a knife, manual saw, to jigsaw or electric saw.

Working technology:

- 1) Before construction of the casing, the bathtub ought to be mounted according to the manufacturer's instructions.
- 2) Measure and cut out side and floor mounting strips.
- 3) Glue the elements together using a polyurethane or hybrid glue sealant (in MS Polymer or SMX technology).
- 4) Then, prepare the boards for bathtub sides (measure, cut and try the masking elements).
- 5) Apply polyurethane glue sealant onto the top edges of the board and face of the mounting strips.
- 6) Place the construction board around the bathtub.
- 7) While joining the boards, to stabilise the construction and join it until the bonding product hardens, screw the elements together using special high thread and long pitch screws (e.g. wood screws).
- 8) To prevent the board from being punched through by the screws, special plates or washers may be used to enlarge the contact surface.



Construction of an inspection opening in the bathtub casing

At the side of the fittings or water drain, cut out an opening in the construction board which will allow access to the fittings, if and when needed (fig. 1). The location and size of the opening ought to be carefully adjusted to the kind of cladding material used (fig. 2). Fix a magnet in the element cut out from the construction board and place a metal plate in the fixed part of the construction.

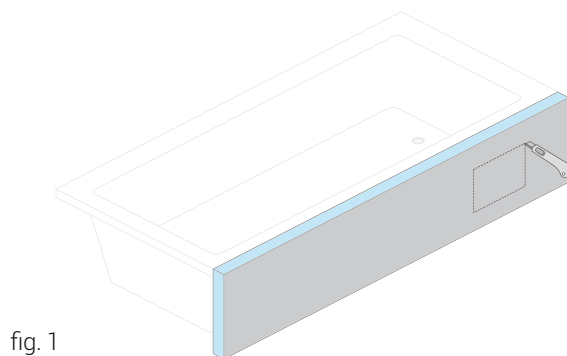


fig. 1

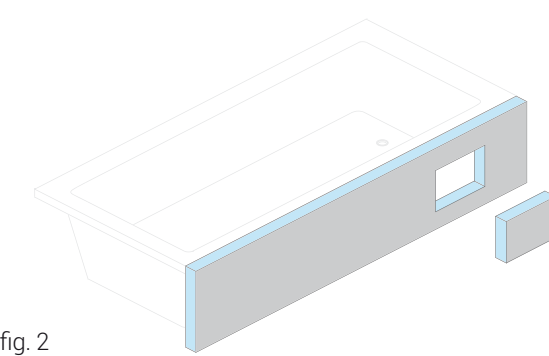
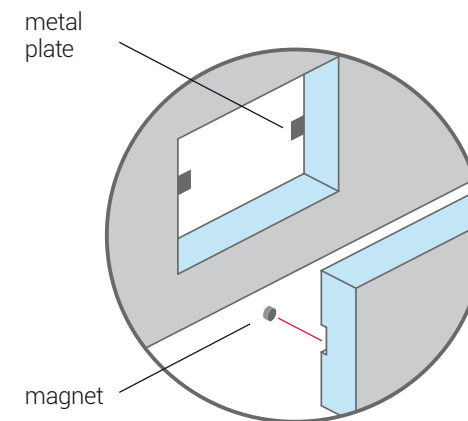
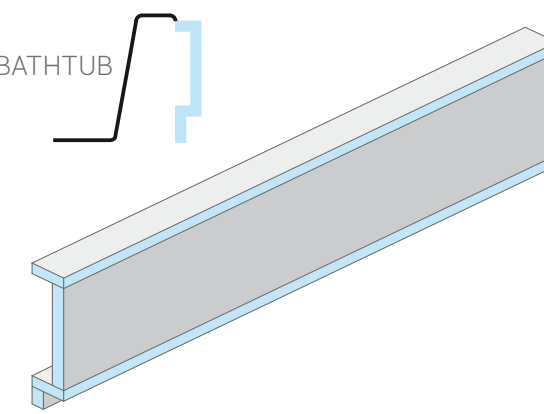
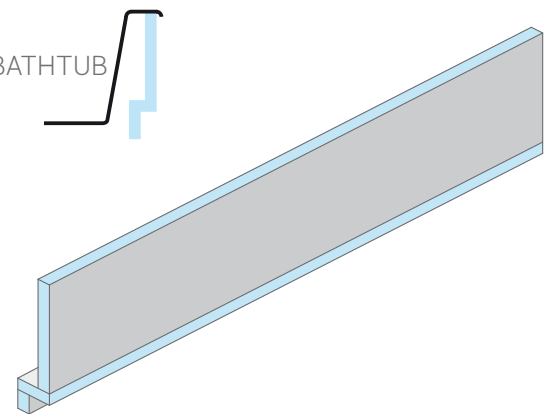
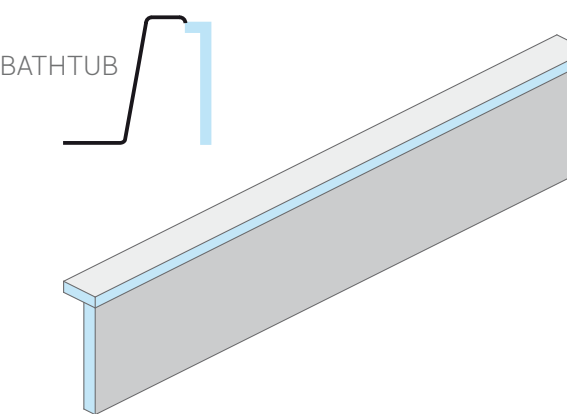


fig. 2



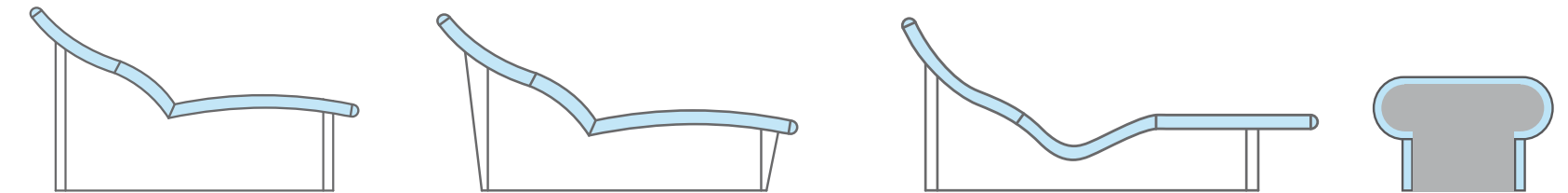
Examples of bathtub casings





Bathroom seats and couches

Combination of the WIM Platte Indented Construction Board with the standard WIM Platte Construction Board opens new possibilities in interior arrangement. It allows creative separation of relaxation areas, sitting space in home bathrooms, steam baths, SPA & WELLNESS facilities, adapting them to any interior style. Thus, these elements may become usable art items.



Construction of a couch

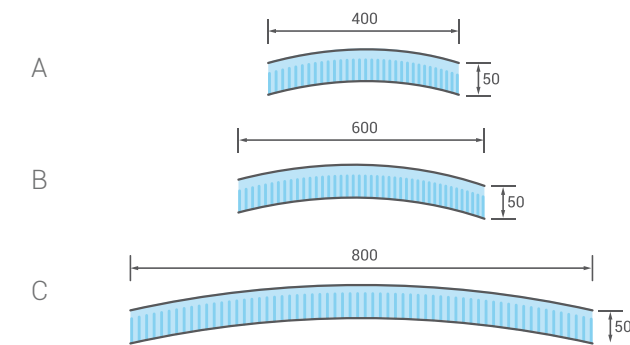
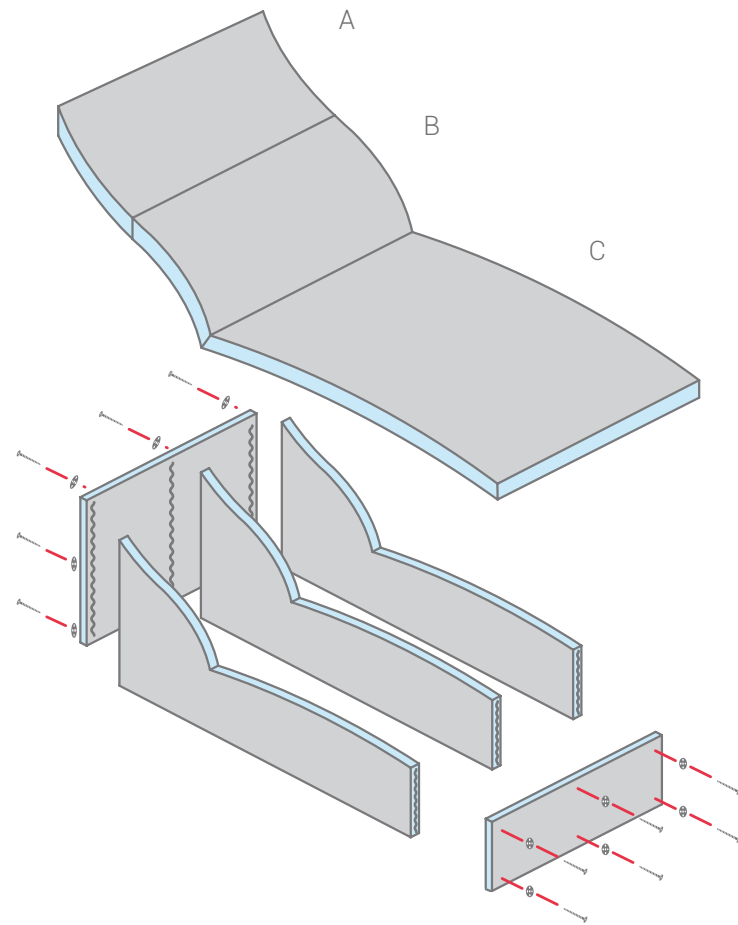
Tools and materials required:

- WIM Platte Indented Construction Board, 30 mm thick,
- WIM Platte Construction Board, 50 mm thick,
- knife, manual saw or jigsaw,
- polyurethane glue sealant.

Working technology:

- 1) Measure and cut out from the construction board elements to be used for construction.
- 2) Glue the elements together using a polyurethane or hybrid glue sealant (in MS Polymer or SMX technology).
- 3) While joining the boards, to stabilise the construction and join it until the bonding product hardens, screw the elements together using special high thread and long pitch screws (e.g. wood screws).
- 4) To prevent the board from being punched through by the screws, special plates or washers may be used to enlarge the contact surface.
- 5) Once the glue sealant has hardened, fixing of the selected ceramic cladding may begin.

SAMPLE SIZE:			
Width:	Length:	High:	Plate thickness:
1800 mm	600 mm	800 – 300 mm	30 – 50 mm



Construction of a seat

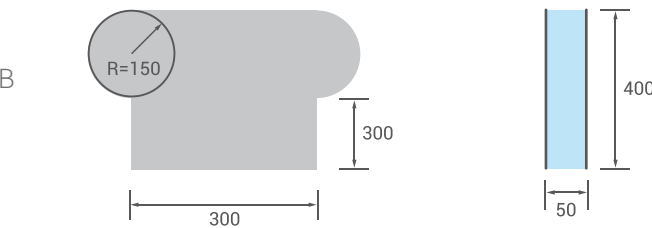
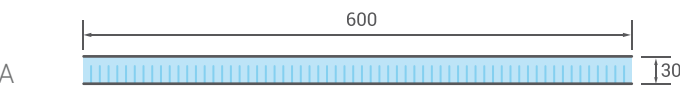
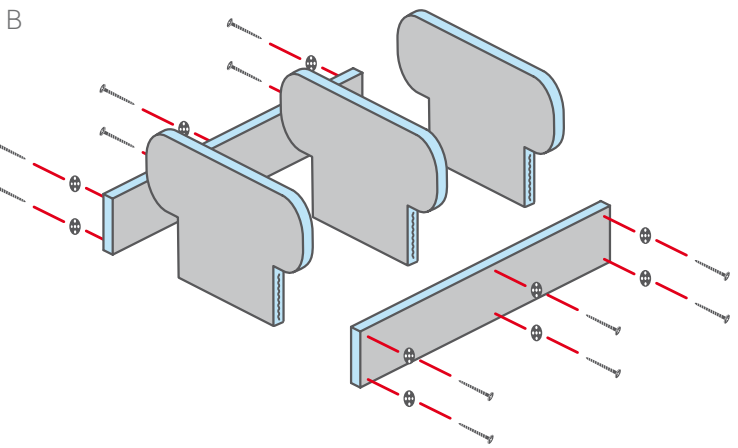
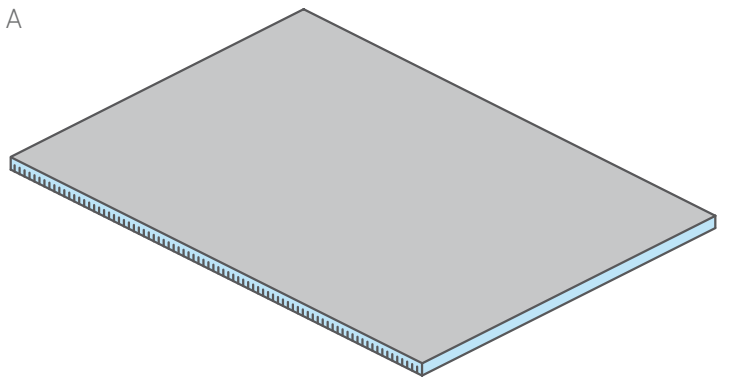
Tools and materials required:

- WIM Platte Indented Construction Board, 30 mm thick,
- WIM Platte Construction board, 50 mm thick,
- knife, manual saw or jigsaw,
- polyurethane glue sealant.

Working technology:

- 1) Measure and cut out the side and central parts of the skeleton from the 30 mm thick construction board.
- 2) Measure and cut out the top element of the seat (A) from the indented construction board, 30mm thick.
- 3) Glue the elements together using a polyurethane or hybrid glue sealant (in MS Polymer or SMX technology).
- 4) While joining the boards, to stabilise the construction and join it until the bonding product hardens, screw the elements together using special high thread and long pitch screws (e.g. wood screws).
- 5) To prevent the board from being punched through by the screws, special plates or washers may be used to enlarge the contact surface.
- 6) Once the glue sealant has hardened, fixing of the selected ceramic cladding may begin.

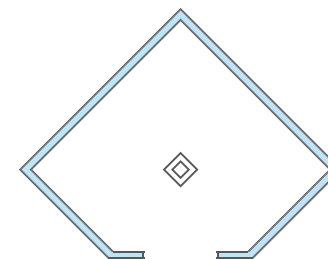
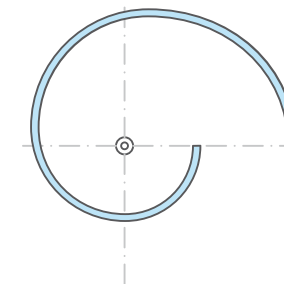
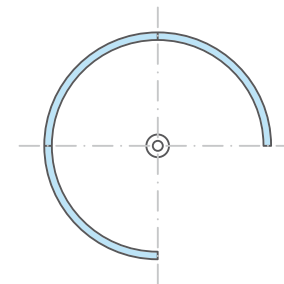
PRZYKŁADOWE WYMIARY:			
Width:	Legth:	High	Plate thickness:
1200 mm	700 mm	500 mm	30 – 50 mm





Shower cubicles

Decorated with glass mosaic, a snail shower cubicle is charmingly unique. Yet, combining beauty and extravagance can pose a significant practical challenge before gluing systems. Use of WIM Platte Indented Construction Board as the construction element lets you achieve any shape – things (nearly) impossible to make.



Creation of a semi – circular shower cubicle construction

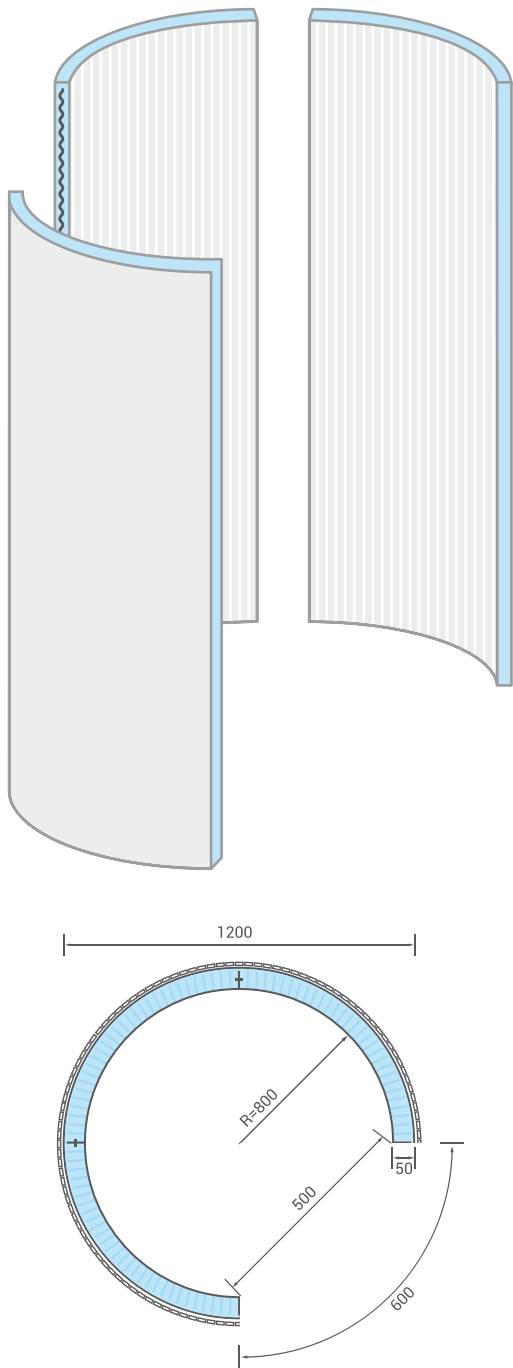
Tools and materials required:

- WIM Platte Indented Construction Board, 50 mm thick,
- knife, manual saw or jigsaw,
- polyurethane glue sealant.

Technologia wykonania prac:

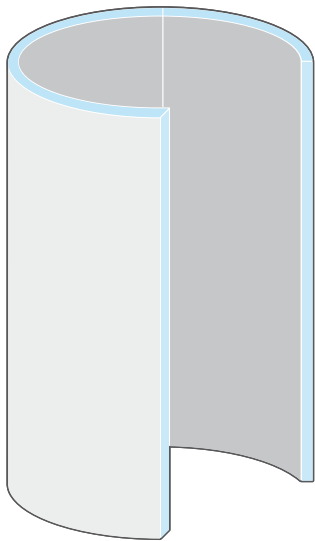
- 1) Before construction of the casing, the bathtub ought to be mounted according to the manufacturer’s instructions.
- 2) Measure and cut out side and floor mounting strips.
- 3) Glue the elements together using a polyurethane or hybrid glue sealant (in MS Polymer or SMX technology).
- 4) Then, prepare the boards for bathtub sides (measure, cut and try the masking elements).
- 5) Apply polyurethane glue sealant onto the top edges of the board and face of the mounting strips.
- 6) Place the construction board around theshower cubicle construction.
- 7) While joining the boards, to stabilise the construction and join it until the bonding product hardens, screw the elements together using special high thread and long pitch screws (e.g. wood screws).
- 8) To prevent the board from being punched through by the screws, special plates or washers may be used to enlarge the contact surface.

PRZYKŁADOWE WYMIARY:		
Radius:	High:	Grubość płyty
800 mm	2100 mm	50 mm

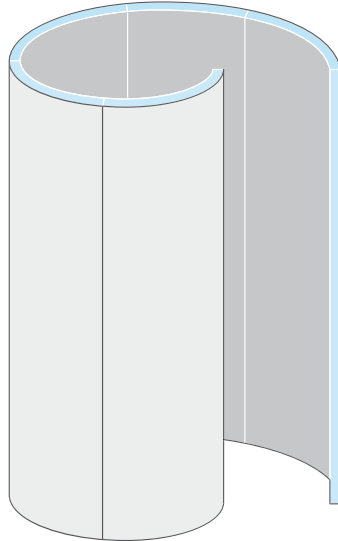


Shower cubicles – selected models

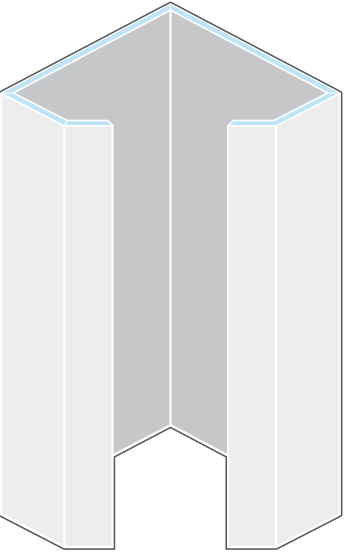
Round shower cubicle



Snail shower cubicle



Square shower cubicle



SAMPLE SIZE	
Radius:	800 mm
Inside radius:	1500 mm
Thickness:	50 mm
High:	2100 mm

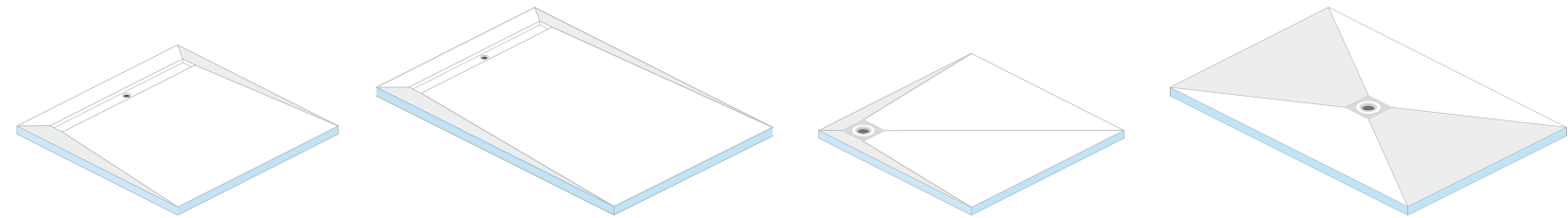
SAMPLE SIZE:	
Radius:	1000 mm
Inside radius:	1000 mm
Thickness:	50 mm
High:	100 mm

SAMPLE SIZE:	
Radius:	1200 mm
Inside radius:	800 mm
Thickness:	50 mm
High:	100 mm



WIM Platte walk in shower tray

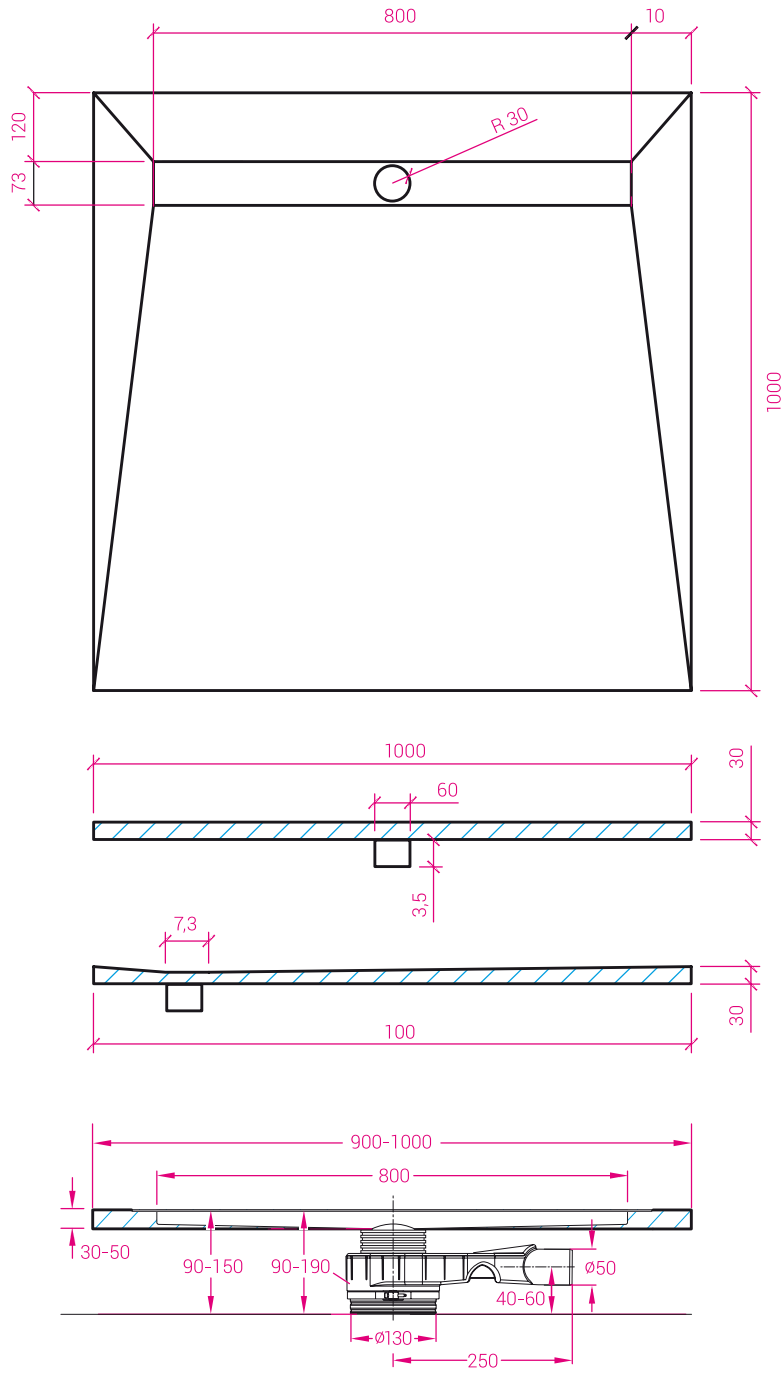
It allows the effect of greater space and its unlimited arrangement. Very efficient in bathrooms, bathing salons, SPA & Wellness or other leisure facilities. The shower tray sets a new standard, standard of open space, reflecting the lifestyle aimed at your wellbeing. The tray is a structural element made from WIM Platte Construction Board (extruded polystyrene – XPS core) with fixed sloping and an integrated linear drain. The shower tray is designed for being covered with ceramic cladding, such as ceramic tiles, natural stone or glass mosaic. The integrated water drain guarantees 100% tightness, whereas board sloping allow easy outflow of water.



WIM Platte walk in shower tray with an integrated linear and spot water drain.

- made from extruded polystyrene (XPS), reinforced on both sides with glass fibre mesh and covered with special modified synthetic resin coating, it ensures high thermal insulation, thus eliminating the feeling of cold floor,
- fixed tray sloping allows free outflow of water, whereas the integrated linear water drain guarantees 100% tightness,
- characterised with complete waterproofness and resistance to biological and chemical degradation, including in particular development of fungi and moulds,
- the shower is designed for being covered with ceramic cladding materials (ceramic tiles, natural stone, glass mosaic),
- allows achieving the effect of greater space and its unrestricted arrangement.

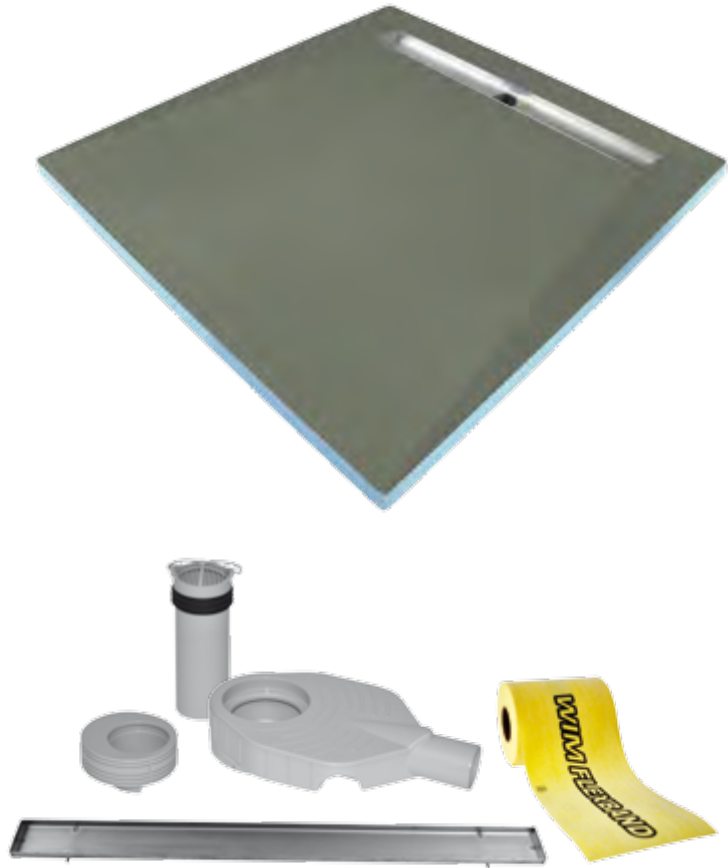
The product has the Technical Approval Certificate of the Building Research Institute (ITB) no AT-15-9012/2012



Technical Drawing - WIM Platte walk in shower tray 1000x 1000 mm with an integrated linear water drain.

Technical Drawing - linear water drain.

LINEAR water train



- The set consists of:**
- shower tray with integrated linear water drain,
 - Visign ER4 masking grate (to be finished with tiles),
 - syphon,
 - WIM FLEXBAND sealing band (4.5 metres).

SPOT water drain



- The set consists of:**
- shower tray with integrated spot water drain,
 - Visign ES2 masking grid,
 - syphon,
 - WIM FLEXBAND sealing band (4.5 metres).

Mounting of WIM Platte walk in shower tray

Base surface preparation

- 1) At the location of the shower tray, remove the concrete flooring to the depth of 4 or 6 cm, with a shape corresponding with the shape and dimensions of the shower tray (photo 1). If the decision to install the shower tray is made at the stage of designing, you are able – at the stage of cement flooring construction – leave the space where the shower tray is to be installed, without filling it with concrete.
- 2) The drain pipe ought to be installed below the flooring level, so that – after connection of the syphon – it is still sloped towards the draining installation.

Mounting of the syphon

- 1) Place the shower tray in the planned location; check whether the area of material removed from the floor matches the dimensions of the tray, and make any corrections needed (photo 2).
- 2) Through the outflow opening in the shower tray, mark on the floor exit of the stub pipe ending the outflow (photos 3, 4) (metal element, app. 5 cm long, protruding at the bottom of the tray, connecting the shower tray with the syphon).
- 3) Place the syphon at the marked location, so that the opening in its upper part is precisely aligned with the stub pipe and the elements can be joined (photo 5). The upper part of the syphon is at the same time the spacing element to adjust syphon height with respect to the shower tray and the floor surface. Adjustment involves cutting it to the correct height with a saw (photo 6).
- 4) The top point of the syphon ought to be situated 4 or 6 cm below the floor level, depending on the selected thickness of the shower tray (photo 7).
- 5) Connect the syphon to the drain pipe. To prevent displacement of the syphon, stabilise it on the floor with mounting mortar.
- 6) After installation of the syphon, check again whether the drain stub pipe of the shower tray is aligned with the opening in the spacing element of the syphon and whether they can be connected without problems. This should preferably be done immediately before final mounting.
- 7) Test the syphon for tightness by filling it with water (photo 8).

NOTE: The connection test is to be performed WITHOUT the self-sealing ring fitted in the opening. The ring may be placed in the opening only after making sure the elements fit together.

- 8) Having checked the fitting of particular elements and the tightness test, fill cement flooring up to 4 or 6 cm (depending on the selected shower tray thickness) below the floor level, so that only the upper surface of the syphon's spacing element is visible (photo 9).



Mounting of the shower tray

Mounting of the shower tray may begin after the supplemented cement mortar has dried and bonded.

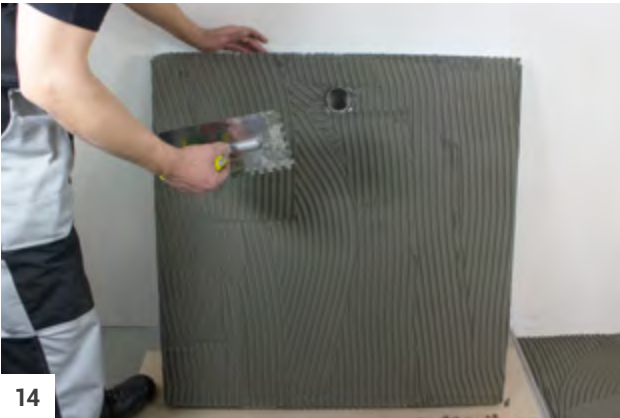
- 1) In the right place of the spacing element, place the self-sealing ring (photo 11) and secure the opening from getting soiled with cement mortar. Apply flexible adhesive, WIM FLEX or WIM SUPERFLEX S1, onto the whole surface of the bottom part of the tray (photo 14) and onto the prepared filling of the recess (photos 12 and 13). Make sure the gluing mortar fills the space between the shower tray and the base surface completely.
- 2) Place the shower tray in the area from which material had been removed so that the drain stub pipe slides into the opening with a seal at the base of the syphon's spacing element, then press the shower tray and align it to level.

NOTE: To facilitate mounting, cover the drain stub pipe and the seal in the syphon in advance with mounting paste.

- 3) Once the shower tray is levelled (photo 15), seal the area of connection with the remaining part of the floor using special FLEXBAND sealing band glued to the base surface with WIM FLEX or WIM SUPERFLEX S1 (photos 16 and 17).

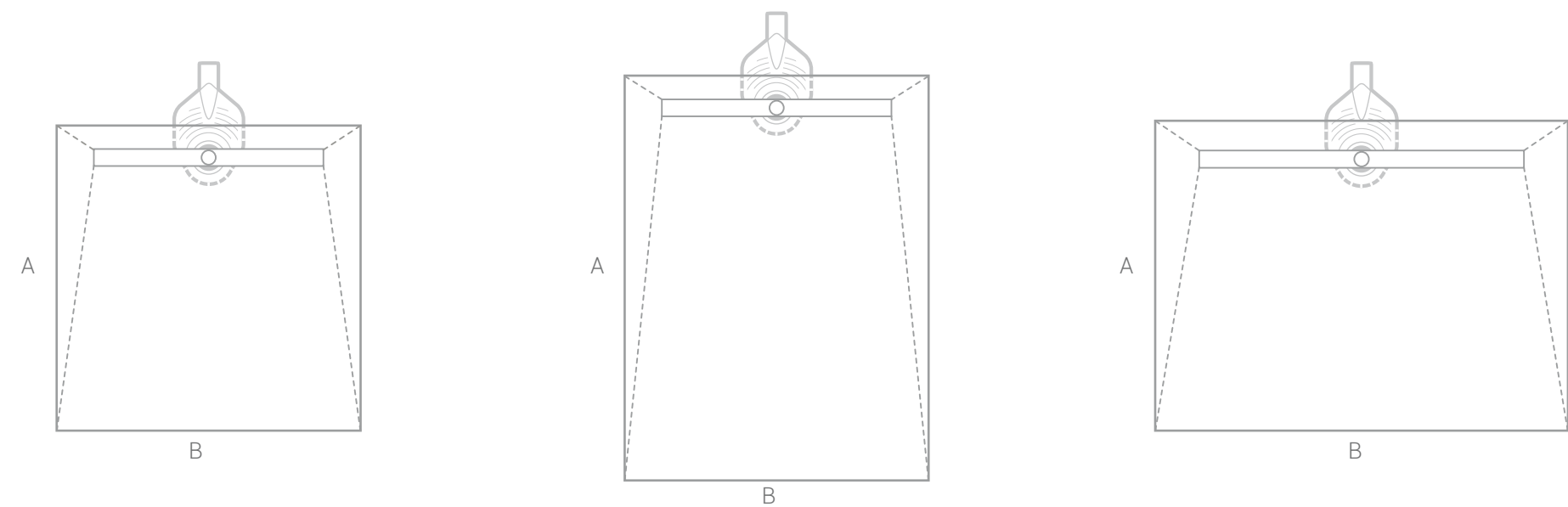
Mounting of ceramic cladding

- 1) Mount the tiles on flexible adhesive, WIM FLEX, WIM SUPERFLEX S1 or WIM DIAMOND FLEX S2. The latter adhesive is particularly recommended for mounting of glass mosaic.
- 2) Apply an even layer of the adhesive onto the shower tray.
- 3) While laying the tiles, respect the bends of the shower tray, which facilitate adjustment of tiles to predefined sloping.



Detailed information on use of WIM chemical construction products is available on our You Tube channel at www.youtube.com/user/WIMspzoo

Walk in LINEAR shower tray with integrated water drain – selected models



Square shower tray
with linear water drain

SIZE:	
Length (A):	1000 mm
Width (B):	1000 mm
Thickness:	30 mm
Water drain length:	800 mm

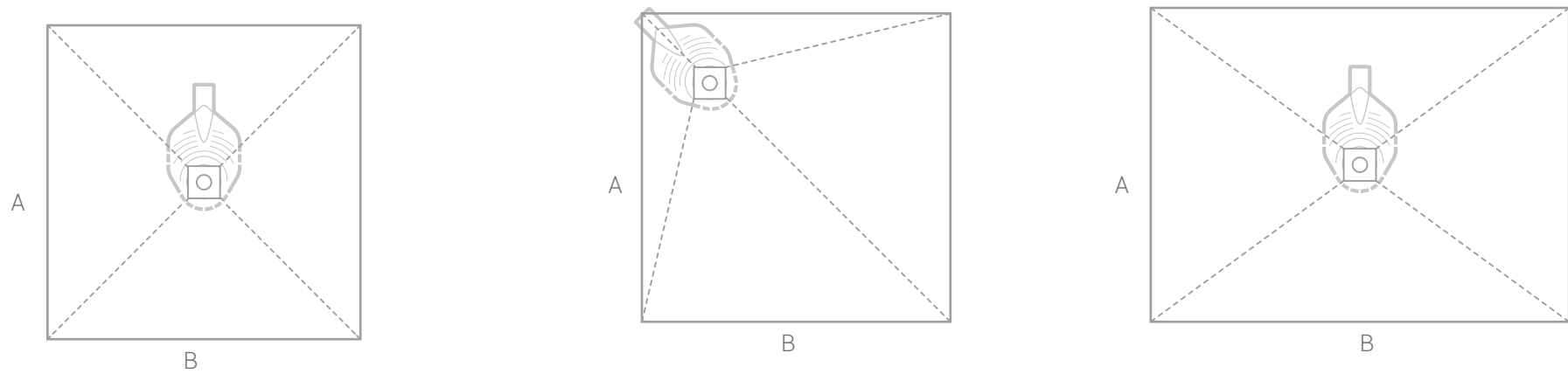
Rectangular shower tray
with linear water drain

SIZE:	
Length (A):	1100 mm
Width (B):	900 mm
Thickness:	50 mm
Water drain length:	800 mm

Rectangular shower tray
with linear water drain

SIZE:	
Length (A):	900 mm
Width (B):	1100 mm
Thickness:	50 mm
Water drain length:	800 mm

Walk in SPOT shower tray with integrated water drain – selected models



Square shower tray
with central water drain

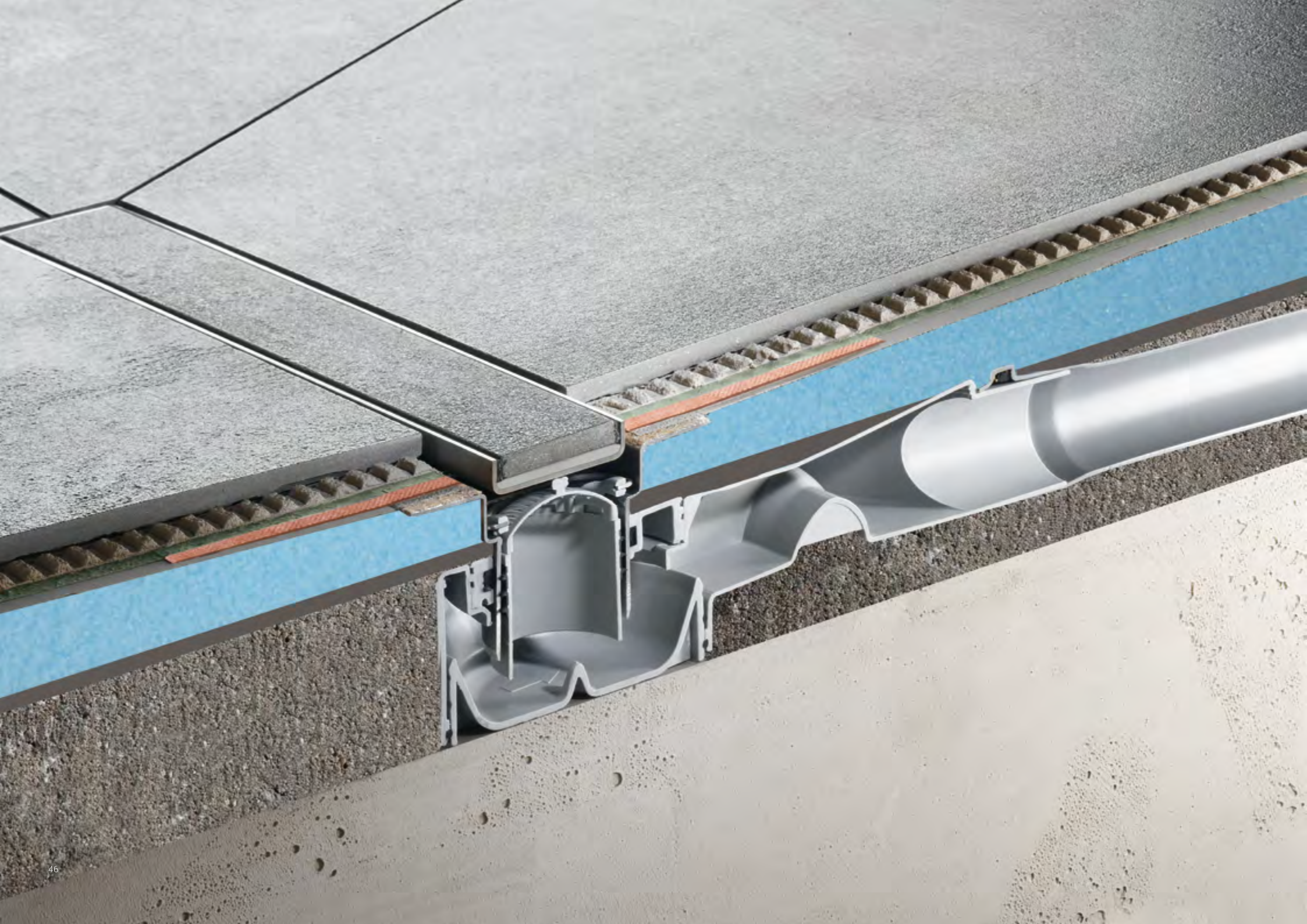
SIZE:	
Length (A):	1000 mm
Width (B):	1000 mm
Thickness:	30 mm
Water drain length:	100 x 100 mm

Square shower tray
with central water drain

SIZE:	
Length (A):	1000 mm
Width (B):	1000 mm
Thickness:	30 mm
Water drain length:	100 x 100 mm

Rectangular shower tray
with central water drain

SIZE:	
Length (A):	900 mm
Width (B):	1100 mm
Thickness:	50 mm
Water drain length:	100 x 100 mm



Advantix water drain

It allows the effect of greater space and its unlimited arrangement. Very efficient in bathrooms, bathing salons, SPA & Wellness or other leisure facilities. The shower tray sets a new standard, standard of open space, reflecting the lifestyle aimed at your wellbeing..

Linear water drain

Mounted in WIM Platte walk in showers, VIEGA's Advantix linear water drain is a high quality product with exclusive design. It enlivens the space created by elegant tiles. Thoroughly considered technical solutions guarantee perfect quality. Stylised Visign grates are made from acid proof stainless steel and have adjusting screws fixed on rubber washings which eliminate the annoying sound of footsteps



Visign ER4 grate for cladding with tiles or natural stone up to 1 cm is an element of the WIM LINEAR Shower Tray set.

Linear grates available to order



Visign ER1



Visign ER2



Visign ER3



Visign ER9

Spot water drain

Mounted in WIM Platte SPOT walk in showers, VIEGA's Advantix spot water drain is a thoroughly considered system for draining water from any bathroom and floor. Components of the water drain set have one common characteristic: quality. Visible elements, such as the grate and the cover, draw attention with design and variety of materials, whereas the "invisible" elements apply well thought technical solutions.

Spot grates available to order.



Visign ES2



Visign ES4



Visign RS5



Visign RS15



Visign ES11



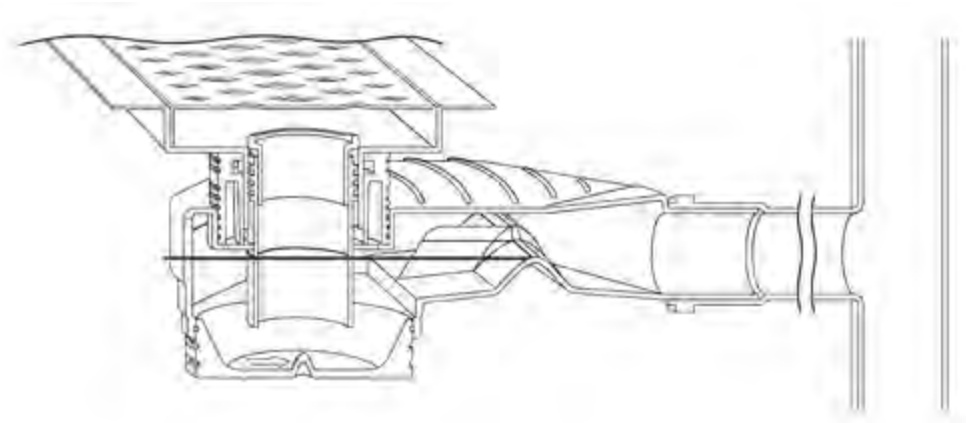
Visign ES14



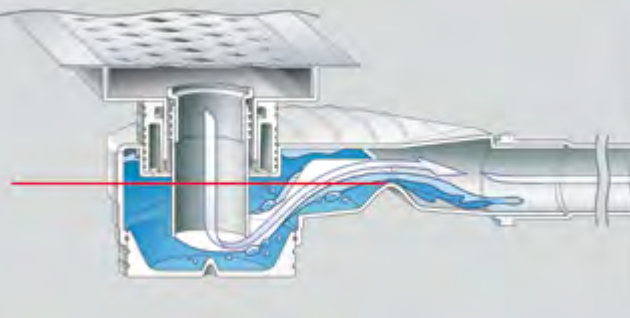
Syphon

- high efficiency,
- flexibility,
- protection against reverse suction,
- low construction height,
- very easy to clean.

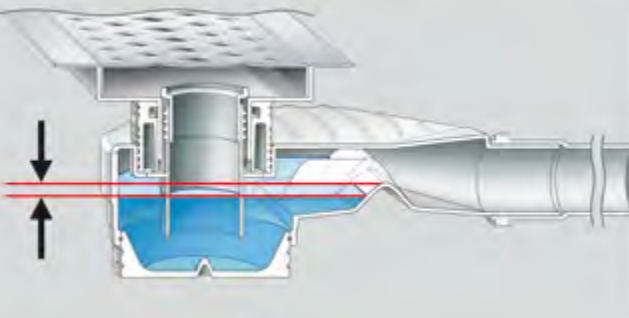
Thanks to minimised flow resistance and large dimensions, VIEGA's Advantix water drain mounted in WIM Platte walk in shower trays, offers a maximum draining efficiency of 1.2 l/s. During mounting, the drain may be adapted to any floor construction height above 11.5 mm. Shortening or use of a proper submersible tube allows automatic adaptation of the water seal height.



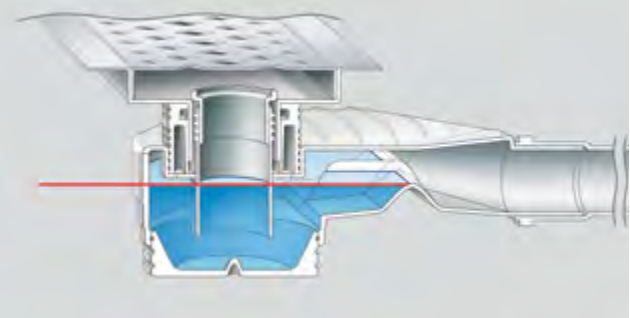
Syphon operating principle



Shortening or use of a proper submersible tube allows automatic adaptation of the water seal height to the construction height (35, 40 or 50 mm).



The accumulating chambers are designed so as to allow outflow of a part of the water only in case of generation of negative pressure in the installation.



If negative pressure occurs in the installation, the accumulation chambers guarantee a sufficient level of water seal in the installation to protect against unpleasant smells, even at the height of 35 mm in case of a low floor construction.



WIM

Polish manufacturer of state of the art systems of chemicals.

WIM has been operating since 2006. For 8 years now, the ranges of our products and activities have been continuously expanded, while maintaining 100% Polish capital. Over that time, the company has earned the reputation of specialist in the production of comprehensive solutions for ceramic cladding mounting.

In order to meet customers' expectations, WIM offers consulting services related to selection of both appropriate products and technologies. The company specialises mainly in the production of comprehensive and innovative solutions for mounting of ceramic tiles (adhesives and grouts, water insulation materials) as well as innovative materials for dry construction using construction boards and epoxy resin floor coatings. Products for mounting of ceramic tiles, which constitute the basis of WIM's product range, have been on the market since the beginning of the company's operation. They have been used, among others, at the facilities of such companies and institutions as: Medical Institute of the Military, Polskie Sieci Elektroenergetyczne S.A., Medical University of Warsaw and the high standard Mokotów Plaza office building in Warsaw. High and proven quality, innovation, sales and technical support – all these factors have gained for WIM the confidence of designers and contractors constructing numerous shopping centres, hotels, hospitals or various industrial facilities throughout Poland.

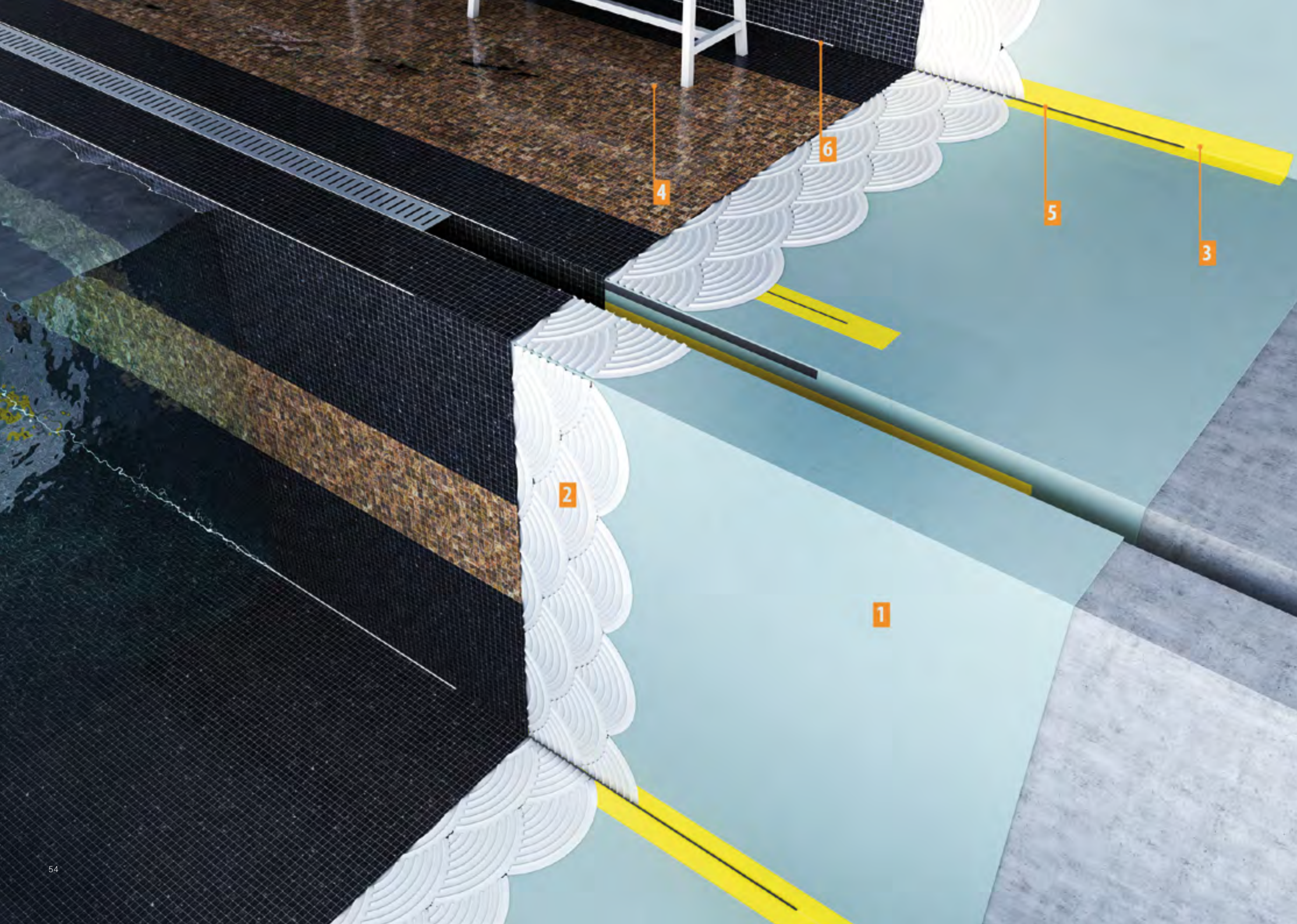
Technical solutions and products offered by WIM allow mounting any kind of tiles and natural stone, both on traditional base surfaces and on untypical ones. To prove that, one could provide the example of the system for fixing of ceramic tiles at swimming pools or the system of waterproof construction boards for bathroom arrangement (WIM Platte System) including WIM Platte Walk In Shower Tray.

It is thanks to such technologies, products and ready systems that customers using WIM products gain the competitive advantage in their respective areas of operation.



Swimming pools – a particular challenge

Technical requirements constitute a certain limitation to the fantasy in designing swimming pools and their beaches. Swimming pools are an excellent place for relaxation and healthy physical activity, not only on hot summer days, but also in winter. To let their design meet highest requirements with respect to durability and high aesthetic values of the construction, materials resistant to intensive influence of water must be used during erection. Such materials guarantee lasting tightness, combined with beautiful appearance of finally finished surfaces. To satisfy these growing market needs, WIM is continuously expanding its system offer..



Water insulation of swimming pool pan bottom

Sealing related to the base surface

Water insulation of the swimming pool pan bottom is performed by gluing in WIM FLEXBAND sealing tape in the corners and into dilatation joints. Next, the whole surface is covered with WIMOLASTIC two-component sealant.

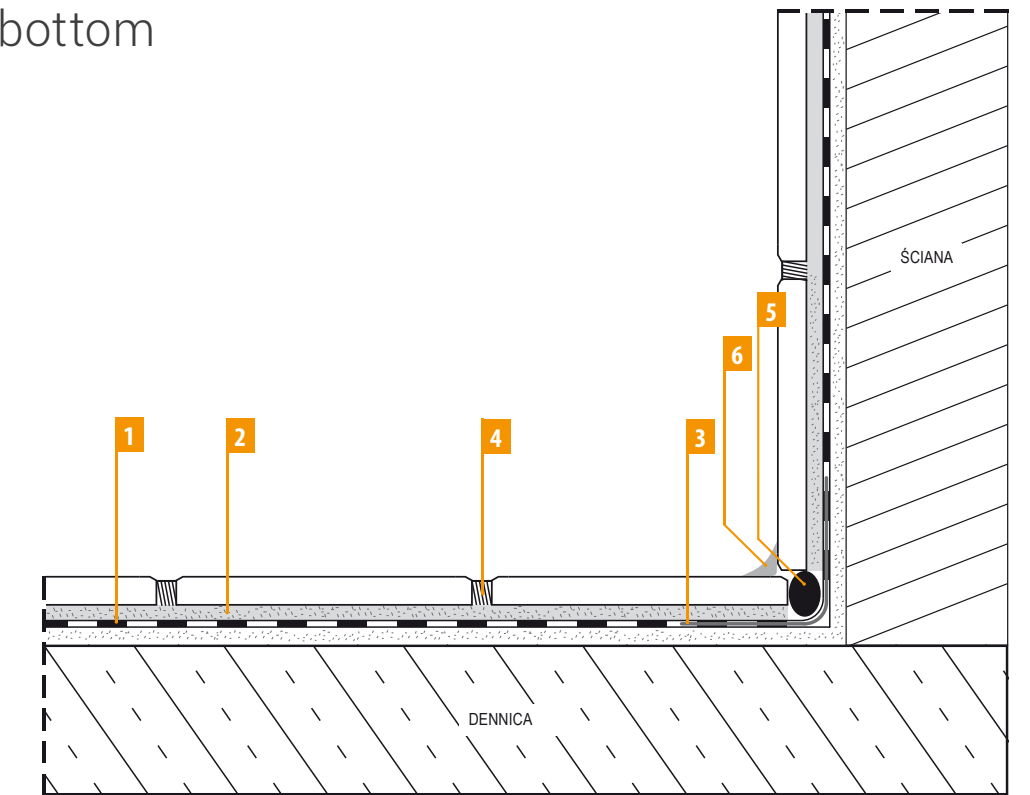
Adhesives for ceramic cladding materials

On the water insulation layer prepared as above, ceramic tiles are fixed using highly flexible WIM Superflex S1 adhesive. Highly flexible, two-component, fast binding white WIM Diamond Flex S2 adhesive is to be used for fixing of glass mosaic.

Grouts and sealants

Filling the joints between ceramic files mounted in the swimming pool pan is performed using WIM Epoxyd (available in the broad range of 31 colours) two-component epoxy grout resistant to chemicals, or the decorative two-component epoxy WIM Diamond Grout, resistant to chemicals, specially developed for glass mosaic, glass tiles, metallic tiles and guaranteeing unique visual effects.

Sealing of dilatation joints is performed using polyurethane, two-component, poured-over Dilatation Joint Sealant. Sealing of dilatation joints is performed with WIM Silicon mass for waterproof sanitary joints, resistant to the development of moulds and fungi.



- 1 – **WIMOLASTIC** – Waterproofing
- 2 – Flexible adhesive mortar **WIM SUPERFLEX S1 / WIM DIAMOND FLEX S2**
- 3 – **WIM FLEXBAND** (sealing tape)
- 4 – Flexible grout **WIM FUGA**
- 5 – Expansion joint backing
- 6 – **WIM Silikon**

The drawing is not scaled. While designing, adjust the dimensions to actual conditions. The design and the technical documentation of adapted solutions are the designer's responsibility. Presented solutions serve as assistance in designing only. Work is to be conducted in compliance with the principles of construction art and proper working technology.

Water insulation of swimming pool pan walls and overflow gutter

Sealing related to the base surface

Water insulation of the swimming pool pan surface and of the beach is performed by gluing in WIM FLEXBAND sealing tape in the corners, into dilatation joints, around drain openings and in connections of the swimming pool pan with the beach. Next, the whole surface is covered with WIMOLASTIC two-component sealant.

Adhesives for ceramic cladding materials

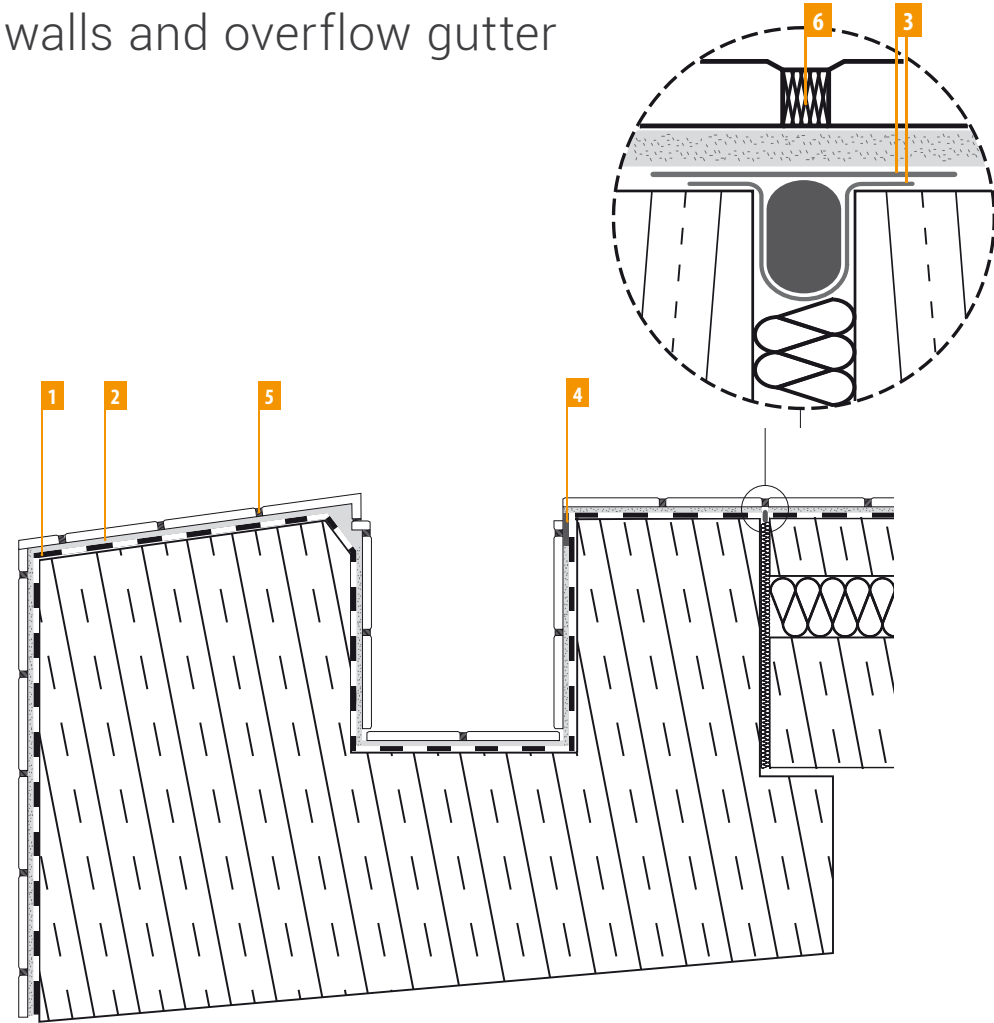
On the water insulation layer prepared as above, ceramic tiles are fixed using highly flexible WIM Superflex S1 adhesive. Highly flexible, two-component, fast binding white WIM Diamond Flex S2 adhesive is to be used for fixing of glass mosaic

Grouts and sealants

Filling the joints between ceramic files mounted on the swimming pool pan surface and on the beach is performed using WIM Epoxyd (available in the broad range of 31 colours) two-component epoxy grout resistant to chemicals, or the decorative two-component epoxy WIM Diamond Grout, resistant to chemicals, specially developed for glass mosaic, glass tiles, metallic tiles and guaranteeing unique visual effects.

Sealing of dilatation joints is performed using polyurethane, two-component, poured-over Dilatation Joint Sealant. Sealing of dilatation joints is performed with WIM Silicon mass for waterproof sanitary joints, resistant to the development of moulds and fungi.

- 1 – **WIMOLASTIC** – Waterproofing
- 2 – Flexible adhesive mortar **WIM SUPERFLEX S1 / WIM DIAMOND FLEX S2**
- 3 – **WIM FLEXBAND** (sealing tape)
- 4 – **USZCZELNIAJĄCA MASA DYLATACYJNA**
- 5 – Flexible grout **WIM EPOXYD / WIM Diamond Grout**
- 6 – **WIM Silikon**



The drawing is not scaled. While designing, adjust the dimensions to actual conditions. The design and the technical documentation of adapted solutions are the designer's responsibility. Presented solutions serve as assistance in designing only. Work is to be conducted in compliance with the principles of construction art and proper working technology.

Water insulation of the swimming pool beach on composite screed

Sealing related to the base surface

Water insulation of walls, floors, surface of the swimming pool pan and beach is performed by gluing in WIM FLEXBAND sealing tape in the corners and into dilatation joints. Next, the whole surface is covered with WIMOLASTIC two-component sealant.

Adhesives for ceramic cladding materials

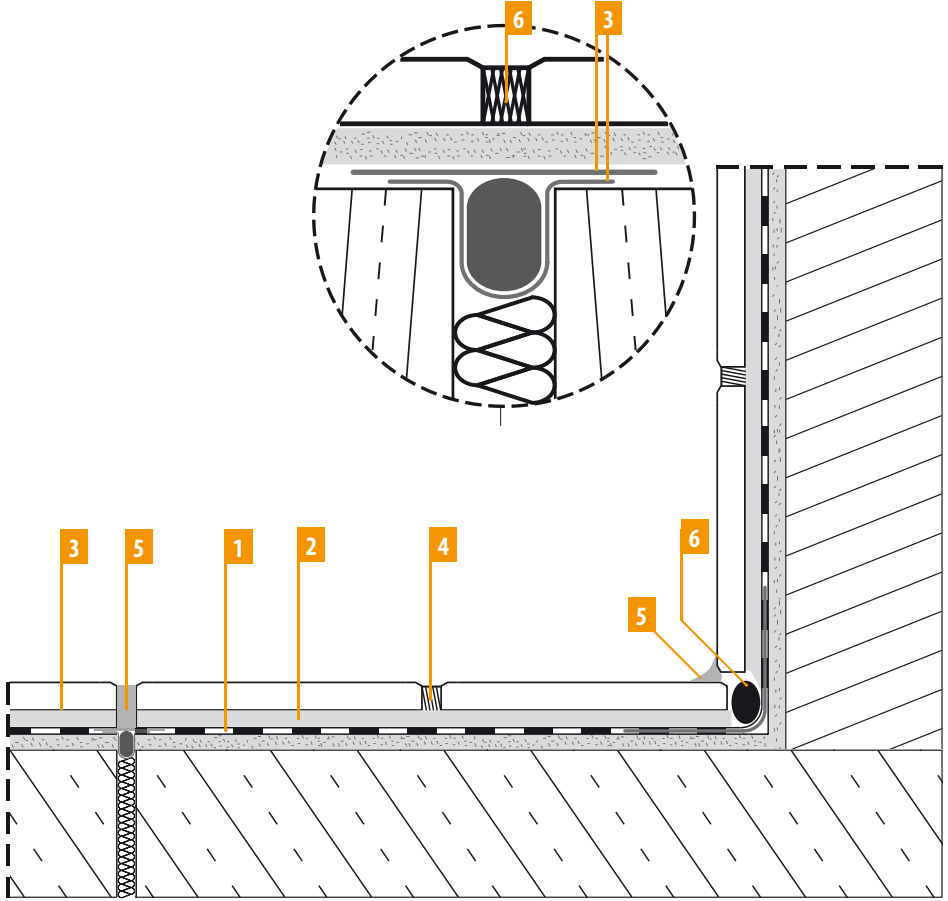
On the water insulation layer prepared as above, ceramic tiles are fixed using highly flexible WIM Superflex S1 adhesive. Highly flexible, two-component, fast binding white WIM Diamond Flex S2 adhesive is to be used for fixing of glass mosaic.

Grouts and sealants

Filling the joints between ceramic files mounted on the walls, floors and beach of the swimming pool is performed using WIM Epoxyd (available in the broad range of 31 colours) two-component epoxy grout resistant to chemicals, or the decorative two-component epoxy WIM Diamond Grout, resistant to chemicals, specially developed for glass mosaic, glass tiles, metallic tiles and guaranteeing unique visual effects.

Sealing of dilatation joints is performed using polyurethane, two-component, poured-over Dilatation Joint Sealant. Sealing of dilatation joints is performed with WIM Silicon mass for waterproof sanitary joints, resistant to the development of moulds and fungi.

- 1 – **WIMOLASTIC** – Waterproofing
- 2 – Flexible adhesive mortar **WIM SUPERFLEX S1 / WIM DIAMOND FLEX S2**
- 3 – **WIM FLEXBAND** (sealing tape)
- 4 – Flexible grout **WIM EPOXYD / WIM Diamond Grout**
- 5 – **WIM Silikon**
- 6 –Expansion joint backing



The drawing is not scaled. While designing, adjust the dimensions to actual conditions. The design and the technical documentation of adapted solutions are the designer's responsibility. Presented solutions serve as assistance in designing only. Work is to be conducted in compliance with the principles of construction art and proper working technology.

Water insulation of swimming pool pan walls and overflow gutter – necessary materials.

WIMOLASTIC



TECHNICAL DATA:

at temperature of + 23°C and humidity of air 50%)
Component A: cements, special quartz sands, additives
Component B: water dispersion of synthetic resins
Fixture: half-liquid
Density: about 1.6 kg/dm³
Operating temperature: from +5°C to +25°C
Operating time: 60 minutes
Consumption rate: about 1.5 kg/m² per 1 mm of layer thickness
Consumption depends on the type of insulation:
light insulation (thickness 2 mm) – 3.0 kg/m²
medium insulation (thickness 2.5 mm) – 3.75 kg/m²
heavy insulation (thickness 3 mm) – 4.5 kg/m²
Thickness of the applied layers: min. 2
Thickness of one layer: max 2 mm
Technological interval between applied layers 3 – 4 hours
Adherence to concrete: ≥ 1.07 MPa
Relative elongation: 94.3% (at max stress)
Pressure water resistance: min. 0.5 MPa (50 m of water gauge)
Permeability:
for water: none
for diesel oil and petrol: none
Possibility to walk: after 10–12 hours
Possibility to stick tiles: when it is completely dry (about 24 hours)
Method of applying: with a roll, a brush, a spatula

WIM SUPERFLEX S1



TECHNICAL DATA:

For temperature of +23°C (± 2) and humidity of 50% (±5)
Ingredients: mixture of cements, mineral aggregates and modifying agents
Working temperature (air and material): from +5°C to + 25°C
Mixing ratio: 5.00 - 6.75 L of water per 25kg of adhesive
(about 0.20 - 0.27 L of water per 1 kg of adhesive)
Maturing time: 5 minutes
Work time: about 4 - 6 hours
Open time: at least 30 minutes
Adjustability time: at least 30 minutes
Can be walked on: after about 24 hours
Possibility of grouting:
walls: 4 – 8 hours
floors: after about 24 hours
Temperature resistance: from –30°C TO + 70°C
Maximum thickness of mortar layer: 10 mm
Adhesion: type C2TE S1 (≥ 1 N/mm²)

WIM DIAMOND FLEX S2



TECHNICAL DATA:

For temperature of +23 °C (± 2) and humidity of 50% (±5)
Component A: the mixture of cement, mineral aggregates, lime fl ours and modifying agents
Component B: water dispersion of synthetic resins
Temperature of application (the air and the materials): from +5°C to +25°C
Mixing proportions: 5:1 – component A (10 kg) + component B (2 kg) = 12 kg of the adhesive
Operating time: 2 hours
Skinning time: 30 minutes.
Correctability time: 30 minutes.
Possibility to walk: after 2 hours
Possibility to joint: after 2 hours.
Full load: after 3 days
Temperature resistance: from -30°C to +70°C
Maximum thickness of the mortar layer: 10 mm

Water insulation of the swimming pool beach on composite screed – necessary materials.

USZCZELNIAJĄCA MASA DYLATACYJNA



TECHNICAL DATA:

Mixing ratio in parts by weight (A+B): 100÷17
Workability life after mixing: about 30 minutes
Working temperature: from +10°C to +25°C
Curing time at 20 °C, according to PN-EN 196-3:2006
- Initial: 6 hours
- Final: 13 hours
Full operational parameters: 7 days
Product colour after curing (according to WIM colour chart): 1/13, 1/14, 1/32, 1/44
Temperature resistance: from -30°C to +80°C
Tensile strength: ≥ 4.0 MPa
Adhesion (according to PN-EN ISO 4624:2004)
- To a ceramic base: ≥ 1.8 MPa
- To a concrete base: ≥ 2.6 MPa
Linear shrinkage: ≤ 0.03%

WIM SZNUR DYLATACYJNY



TECHNICAL DATA:

Thickness: 0.5 mm (± 5%)
Surface weight: 440 g/m² (± 5%)
Maximum tensile stress: > 13.7 MPa
Water penetration: None at 0.5 MPa

WIM SILIKON



TECHNICAL DATA:

Working temperature: +5°C to +40°C
Thermal resistance: –40°C to +180°C
Working time: about 10 minutes
Surface drying time: approx 20 minutes
Hardening: 2mm/day
Volumetric shrinkage: max 5%
Practical expansion: about 25%

WIM TAŚMA USZCZELNIAJĄCA



TECHNICAL DATA:

DIMENSIONS
Corner 130 x 130 mm
Cuff 120 x 120 mm
Patch 400 x 400 mm

WIM EPOXYD



TECHNICAL DATA:

at the temperature +23°C and the humidity of air 50%)
Mixing ratio by weight (A: B): 8.9 : 1.1 (light colours) and 9.1 : 0.9 (dark colours)
Grout density: 1.35 g/cm³
Working temperature: +10 oC to +25oC
Workability time of ready-to-use grout: 20-30 min.
Pre-cure time: 24 hrs.
Full chemical resistance: after 14 days

WIM DIAMOND GROUT



TECHNICAL DATA:

at the temperature +23°C and the humidity of air 50%)
Mixing ratio by weight (A: B): 8.9 : 1.1
Grout density: 1.35 g/cm³
Working temperature: +10°C to +25°C
Workability time of ready-to-use grout: 20-30 min.
Pre-cure time: 24 hrs.
Full chemical resistance: after 14 days



Water insulation of walls and floors in shower cubicles

Sealing related to the base surface

Water insulation of walls and floors is performed by gluing in WIM sealing tape in the corners. Next, the whole surface is covered with WIMOLASTIC two-component sealant.

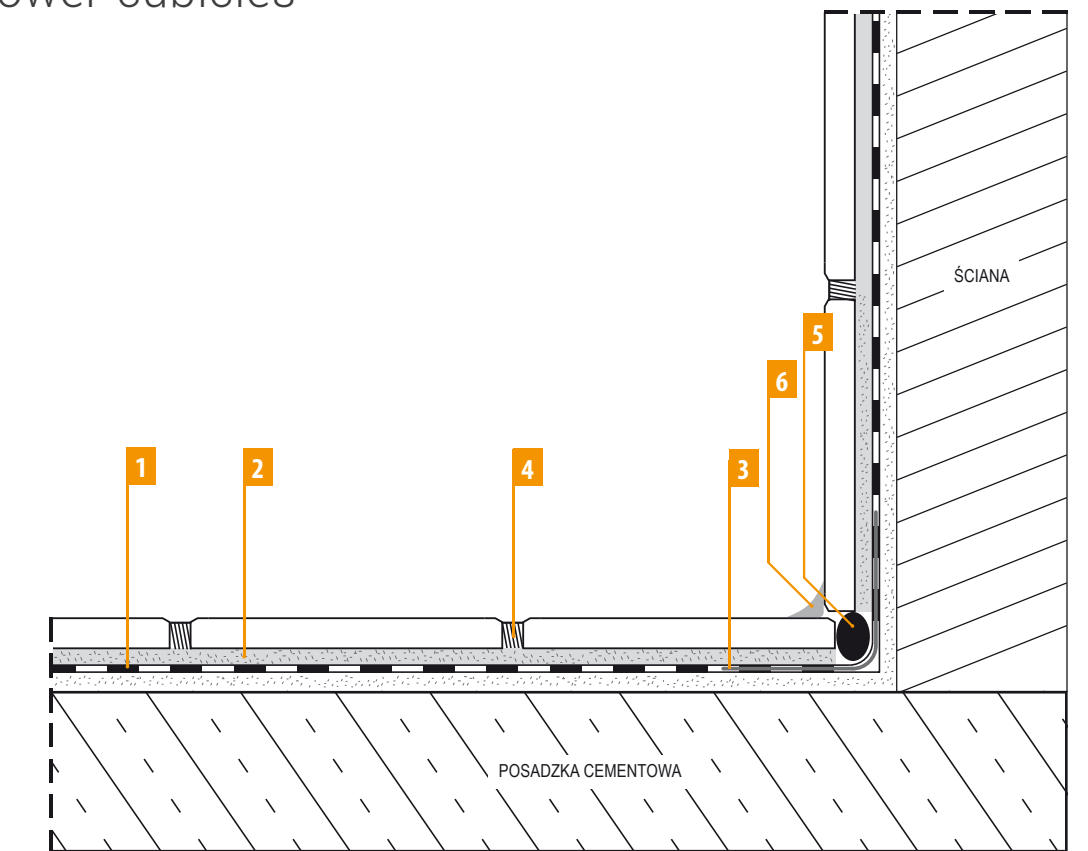
Adhesives for ceramic cladding materials

On the water insulation layer prepared as above, ceramic tiles are fixed using highly flexible WIM Flex, WIM Flex White or WIM Superflex S1 adhesive. Highly flexible, two-component, fast binding white WIM Diamond Flex S2 adhesive is to be used for fixing of glass mosaic.

Grouts and sealants

Filling the joints between ceramic files mounted on the walls and floors is performed using WIM Epoxyd (available in the broad range of 31 colours) two-component epoxy grout resistant to chemicals, or the decorative two-component epoxy WIM Diamond Grout, resistant to chemicals, specially developed for glass mosaic, glass tiles, metallic tiles and guaranteeing unique visual effects.

Sealing of dilatation joints is performed using polyurethane, two-component, poured-over Dilatation Joint Sealant. Sealing of dilatation joints is performed with WIM Silicon mass for waterproof sanitary joints, resistant to the development of moulds and fungi.



- 1 – Waterproofing **WIM PŁYNNA FOLIA**
- 2 – Flexible adhesive mortar **WIM FLEX / WIM FLEX BIAŁY / WIM SUPERFLEX S1**
- 3 – **WIM** sealing tape
- 4 – Flexible grout **WIM FUGA**
- 5 – Expansion joint backing
- 6 – **WIM Silikon**

The drawing is not scaled. While designing, adjust the dimensions to actual conditions. The design and the technical documentation of adapted solutions are the designer's responsibility. Presented solutions serve as assistance in designing only. Work is to be conducted in compliance with the principles of construction art and proper working technology.

Water insulation of walls and floors in shower cubicles – necessary materials.

WIM PŁYNNA FOLIA



TECHNICAL DATA:

at the temperature of +23°C and humidity of 50%
Ingredients: Polymer dispersion with addition of improvers.
Consistency: Semi-solid
Density: about 1.4 kg/dm3
Operating temperature: from +5°C to +25°C
Consumption on:
- Absorbent surface: 1.2 kg/m2
- Low absorption surface: 0.7 kg/m2
Number of layers: 2
Technological break between layers: about 3 hrs.
Layer drying time: about 3 hrs. at 23°C
Adhesion: At least 1.5 MPa

Can be walked on: After 10 – 12 hours
Possibility of glueing tiles: When completely dry (about 24 hours).
Method of application: Roller, brush
Cleaning of tools: With water (in unbound state)
Storage: In sealed containers for 12 months from date of manufacture
The product must be protected from freezing.

WIM FLEX



TECHNICAL DATA:

For temperature of +23°C (± 2) and humidity of 50% (±5)
Ingredients: mixture of cements, mineral aggregates and modifying agents
Working temperature (air and material): from +5°C to + 25°C
Mixing ratio: approximately 6.25 - 6.75 L of water per 25kg of adhesive (about 0.25 - 0.27 L of water per 1 kg of adhesive)
Maturing time: 5 minutes
Work time: about 4 - 6 hours
Open time: at least 45 min.
Adjustability time: at least 30 minutes
Can be walked on: after about 24 hours
Possibility of grouting:
walls: 4 – 8 hours
floors: after about 24 hours
Temperature resistance: from - 30°C TO + 70°C
Maximum thickness of mortar layer: 10 mm
Adhesion: type C2TE (≥ 1 N/mm²)

WIM FLEX SAMORÓZPŁYWNÝ



TECHNICAL DATA:

For temperature of +23°C (± 2) and humidity of 50% (±5)
Ingredients: mixture of cements, mineral aggregates and modifying agents
Working temperature (air and material): from +5°C to + 25°C
Mixing ratio: approximately 5.25 - 6.0 L of water per 25 kg of adhesive (about 0.21 - 0.24 L of water per 1 kg of adhesive)
Maturing time: 5 minutes
Work time: about 3 - 4 hours
Open time: at least 30 minutes
Adjustability time: at least 30 minutes
Can be walked on: after about 24 hours
Possibility of grouting: after about 24 hours
Temperature resistance: from - 30°C TO + 70°C
Minimum thickness of mortar layer: 2 mm
Maximum thickness of mortar layer: 20 mm
Adhesion: type C2E (≥ 1 N/mm²)

WIM SUPERFLEX S1



TECHNICAL DATA:

For temperature of +23°C (± 2) and humidity of 50% (±5)
Ingredients: mixture of cements, mineral aggregates and modifying agents
Working temperature (air and material): from +5°C to + 25°C
Mixing ratio: 5.00 - 6.75 L of water per 25kg of adhesive (about 0.20 - 0.27 L of water per 1 kg of adhesive)
Maturing time: 5 minutes
Work time: about 4 - 6 hours
Open time: at least 30 minutes
Adjustability time: at least 30 minutes
Can be walked on: after about 24 hours
Possibility of grouting:
walls: 4 – 8 hours
floors: after about 24 hours
Temperature resistance: from -30°C TO + 70°C
Maximum thickness of mortar layer: 10 mm
Adhesion: type C2TE S1 (≥ 1 N/mm²)

Water insulation of walls and floors in shower cubicles – necessary materials.

USZCZELNIAJĄCA MASA DYLATACYJNA



TECHNICAL DATA:

Mixing ratio in parts by weight (A:B): 100÷17
Workability life after mixing: about 30 minutes
Working temperature: from +10°C to +25°C
Curing time at 20 °C, according to PN-EN 196-3:2006
- Initial: 6 hours
- Final: 13 hours
Full operational parameters: 7 days
Product colour after curing (according to WIM colour chart): 1/13, 1/14, 1/32, 1/44
Temperature resistance: from -30°C to +80°C
Tensile strength: ≥ 4.0 MPa
Adhesion (according to PN-EN ISO 4624:2004)
- To a ceramic base: ≥ 1.8 MPa
- To a concrete base: ≥ 2.6 MPa
Linear shrinkage: ≤ 0.03%

WIM SZNUR DYLATACYJNY



TECHNICAL DATA:

Thickness: 0.5 mm (± 5%)
Surface weight: 440 g/m² (± 5%)
Maximum tensile stress: > 13.7 MPa
Water penetration: None at 0.5 MPa

WIM SILIKON



TECHNICAL DATA:

Working temperature: +5°C to +40°C
Thermal resistance: -40°C to +180°C
Working time: about 10 minutes
Surface drying time: approx 20 minutes
Hardening: 2mm/day
Volumetric shrinkage: max 5%
Practical expansion: about 25%

WIM TAŚMA USZCZELNIAJĄCA



TECHNICAL DATA:

DIMENSIONS
Corner 130 x 130 mm
Cuff 120 x 120 mm
Patch 400 x 400 mm

WIM EPOXYD



TECHNICAL DATA:

at the temperature +23°C and the humidity of air 50%)
Mixing ratio by weight (A: B): 8.9 : 1.1 (light colours) and 9.1 : 0.9 (dark colours)
Grout density: 1.35 g/cm3
Working temperature: +10 oC to +25oC
Workability time of ready-to-use grout: 20-30 min.
Pre-cure time: 24 hrs.
Full chemical resistance: after 14 days

WIM DIAMOND GROUT



TECHNICAL DATA:

at the temperature +23°C and the humidity of air 50%)
Mixing ratio by weight (A: B): 8.9 : 1.1
Grout density: 1.35 g/cm3
Working temperature: +10°C to +25°C
Workability time of ready-to-use grout: 20-30 min.
Pre-cure time: 24 hrs.
Full chemical resistance: after 14 days



Water insulation of terrace walls and floors

Sealing related to the base surface

Water insulation of terrace walls and floors is performed by gluing in WIM sealing tape in the corners and in dilatation joints. Next, the whole surface is covered with WIMOLASTIC two-component sealant.

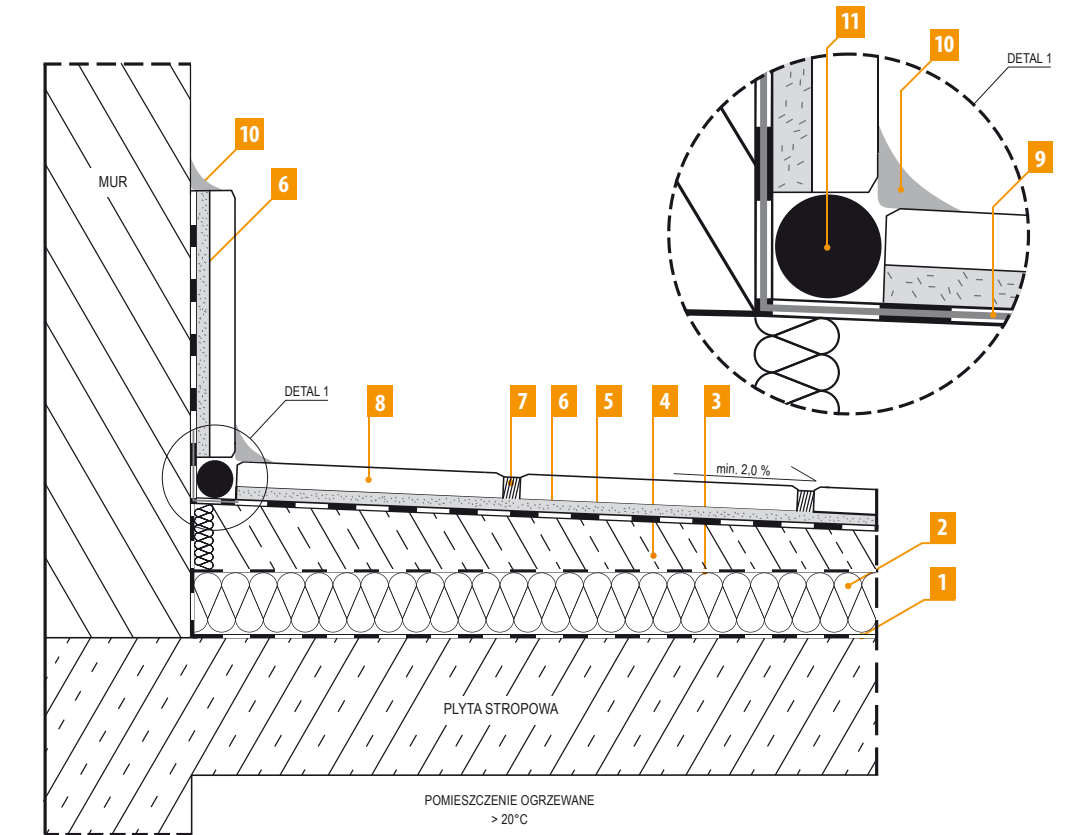
Adhesives for ceramic cladding materials

On the water insulation layer prepared as above, ceramic tiles are fixed using highly flexible WIM Flex, WIM Flex White or WIM Superflex S1 adhesive.

Grouts and sealants

Filling the joints between ceramic files mounted on the terrace is performed using WIM Fuga grout available in the broad range of 42 colours. Sealing of dilatation joints is performed using polyurethane, two-component, poured-over Dilatation Joint Sealant.

Sealing of dilatation joints is performed with WIM Silicon mass for waterproof sanitary joints, resistant to the development of moulds and fungi.



- 1 – Heavy bitumen insulation
- 2 – Thermal insulation
- 3 – Plastic dpc sheet
- 4 – Protective screed with a decline – **WIM Posadzka Cementowa**
- 5 – WIMOLASTIC – Waterproofing
- 6 – Flexible adhesive mortar **WIM FLEX / FLEX Samorozpływny / WIM SUPERFLEX S1**
- 7 – Flexible grout **WIM FUGA / WIM BROKAT FUGA**
- 8 – Ceramic tiles
- 9 – **WIM FLEXBAND** (sealing tape)
- 10 – **WIM Silikon**
- 11 – Expansion joint backing

The drawing is not scaled. While designing, adjust the dimensions to actual conditions. The design and the technical documentation of adapted solutions are the designer's responsibility. Presented solutions serve as assistance in designing only. Work is to be conducted in compliance with the principles of construction art and proper working technology.

WIMOLASTIC



TECHNICAL DATA:

at temperature of + 23°C and humidity of air 50%)
Component A: cements, special quartz sands, additives
Component B: water dispersion of synthetic resins
Fixture: half-liquid
Density: about 1.6 kg/dm²
Operating temperature: from +5°C to +25°C
Operating time: 60 minutes
Consumption rate: about 1.5 kg/m² per 1 mm of layer thickness
Consumption depends on the type of insulation:
light insulation (thickness 2 mm) – 3.0 kg/m²
medium insulation (thickness 2.5 mm) – 3.75 kg/m²
heavy insulation (thickness 3 mm) – 4.5 kg/m²
Thickness of the applied layers: min. 2

Thickness of one layer: max. 2 mm
Technological interval between applied layers 3 – 4 hours
Adherence to concrete: ≥ 1.07 MPa
Relative elongation: 94.3% (at max stress)
Pressure water resistance: min. 0.5 MPa (50 m of water gauge)
Permeability:
for water: none
for diesel oil and petrol: none
Possibility to walk: after 10–12 hours
Possibility to stick tiles: when it is completely dry (about 24 hours)
Method of applying: with a roll, a brush, a spatula

WIM FLEX



TECHNICAL DATA:

For temperature of +23°C (± 2) and humidity of 50% (±5)
Ingredients: mixture of cements, mineral aggregates and modifying agents
Working temperature (air and material): from +5°C to + 25°C
Mixing ratio: approximately 6.25 - 6.75 L of water per 25kg of adhesive (about 0.25 - 0.27 L of water per 1 kg of adhesive)
Maturing time: 5 minutes
Work time: about 4 - 6 hours
Open time: at least 45 min.
Adjustability time: at least 30 minutes
Can be walked on: after about 24 hours
Possibility of grouting:
walls: 4 – 8 hours
floors: after about 24 hours
Temperature resistance: from – 30°C TO + 70°C
Maximum thickness of mortar layer: 10 mm
Adhesion: type C2TE (≥ 1 N/mm²)

WIM FLEX SAMORÓZPŁYWNÝ



TECHNICAL DATA:

For temperature of +23°C (± 2) and humidity of 50% (±5)
Ingredients: mixture of cements, mineral aggregates and modifying agents
Working temperature (air and material): from +5°C to + 25°C
Mixing ratio: approximately 5.25 - 6.0 L of water per 25 kg of adhesive (about 0.21 - 0.24 L of water per 1 kg of adhesive)
Maturing time: 5 minutes
Work time: about 3 - 4 hours
Open time: at least 30 minutes
Adjustability time: at least 30 minutes
Can be walked on: after about 24 hours
Possibility of grouting: after about 24 hours
Temperature resistance: from - 30°C TO + 70°C
Minimum thickness of mortar layer: 2 mm
Maximum thickness of mortar layer: 20 mm
Adhesion: type C2E (≥ 1 N/mm²)

WIM SUPERFLEX S1



TECHNICAL DATA:

For temperature of +23°C (± 2) and humidity of 50% (±5)
Ingredients: mixture of cements, mineral aggregates and modifying agents
Working temperature (air and material): from +5°C to + 25°C
Mixing ratio: 5.00 - 6.75 L of water per 25kg of adhesive (about 0.20 - 0.27 L of water per 1 kg of adhesive)
Maturing time: 5 minutes
Work time: about 4 - 6 hours
Open time: at least 30 minutes
Adjustability time: at least 30 minutes
Can be walked on: after about 24 hours
Possibility of grouting:
walls: 4 – 8 hours
floors: after about 24 hours
Temperature resistance: from –30°C TO + 70°C
Maximum thickness of mortar layer: 10 mm
Adhesion: type C2TE S1 (≥ 1 N/mm²)

WIM POSADZKA CEMENTOWA



TECHNICAL DATA:

for temperature of +23°C (± 2) and humidity of 50% (±5)
Ingredients: mixture of cements, mineral fillers and modifying agents
Maximum diameter of aggregate: 3.0 mm
Mixing ratio: about 0.08 - 0.15 L of water for 1 kg of mortar
about 2.00 - 3.75 L of water for 25 kg of mortar
Working time: about 1 hour
Working temperature (air and material): from +5°C to + 25°C
Temperature resistance: from - 20°C to + 60°C
Can be used / walked on: after 24 hours
Minimum thickness of mortar layer: 10 mm (depending on the intended use and selected structural system)
Compressive strength: ≥ 30 N/mm²
Resistance to bending: ≥ 5 N/mm²
Abrasion resistance: A 12
Weight of dry mortar: 1600-1850 kg/m³
Efficiency: about 2000 kg/m³
The product meets the requirements of PN-EN 13813 as type CT-C30-F5-A12

WIM SILIKON



TECHNICAL DATA:

Working temperature: +5°C to +40°C
Thermal resistance: –40°C to +180°C
Working time: about 10 minutes
Surface drying time: approx 20 minutes
Hardening: 2mm/day
Volumetric shrinkage: max 5%
Practical expansion: about 25%

WIM FUGA



TECHNICAL DATA:

at the temperature +20°C and the humidity of air 65%)
Composition: Cement, finely granular mineral filler, marble flour and additives increasing elasticity, adherence and strength.
PH: 13
Mixing proportions: 0.22–0.26 l of water per 1 kg
Operating time: about 2 hours
Operating temperature (of the air and the materials) +5°C to +25°C
Possibility to walk: after 24 hours
Bending strength:
after storing in dry state – min. 3.5 N/mm²
after subjecting to freezing/thawing cycles – min. 3.5 N/mm²
Compression strength:
after storing in dry state – min. 15 N/mm²
after subjecting to freezing/thawing cycles – 15 N/mm²
Temperature resistance: od -25°C do +70°C
Abrasion resistance: min. 1000 mm³
Water absorption:
after 30 min ≤ 2 g
after 240 min ≤ 5 g
Bulk density: about 1,20 kg/dm³

WIM SZNUR DYLATACYJNY



TECHNICAL DATA:

Thickness: 0.5 mm (± 5%)
Surface weight: 440 g/m² (± 5%)
Maximum tensile stress: > 13.7 MPa
Water penetration: None at 0.5 MPa

WIM BROKAT FUGA



TECHNICAL DATA:

at the temperature +20°C and the humidity of air 65%)
Composition: Cement, finely granular mineral filler, marble flour and additives increasing elasticity, adherence and strength.
PH: 13
Mixing proportions: 0.22–0.26 l of water per 1 kg
Operating time: about 2 hours
Operating temperature (of the air and the materials) +5°C to +25°C
Possibility to walk: after 24 hours
Bending strength:
after storing in dry state – min. 3.5 N/mm²
after subjecting to freezing/thawing cycles – min. 3.5 N/mm²
Compression strength:
after storing in dry state – min. 15 N/mm²
after subjecting to freezing/thawing cycles – 15 N/mm²
Temperature resistance: od -25°C do +70°C
Abrasion resistance: min. 1000 mm³
Water absorption:
after 30 min ≤ 2 g
after 240 min ≤ 5 g
Bulk density: about 1.20 kg/dm³

WIM FLEXBAND



TECHNICAL DATA:

Thickness: 0.5 mm (± 5%)
Surface weight: 440 g/m² (± 5%)
Maximum tensile stress: > 13.7 MPa
Water penetration: None at 0.5 MPa



Another dimension of the doors

PIU Design is a system of high doors, flush with the wall, with aluminium door casing and leaf construction – Aluminium Design. High doors, without door trims or visible casings, 206-280 cm or even higher; they open the space and change its perception. The innovative Aluminium Design construction offers enormous possibilities to use any finishing materials on the doors, matching the whole interior arrangement (i.e. architectural concrete, Lacobel glass, felt, as well as laminated, acrylic coated, lacquered panels and many more). There are as many possibilities as there are ideas. In particular, a bathroom door covered with a mirror, mosaic or tiles will perfectly fit into the interior, emphasising its aesthetic properties and harmony.

Hidden in the wall, the aluminium casing is characterised with high structural rigidity, multi-chamber profile and two opening options (towards the inside and towards the outside). Constructed in the Aluminium Design technology, the door leaf guarantees dimensional stability and eliminates the risk of deformations, which is very important in the case of high doors. All elements supplementing the system, i.e. hinges adjustable in 3 planes – 3D technology, magnetic lock, hidden self-closing device, drop seal, are hidden. Dimensions – standard heights: 206-280 cm (up to 300 cm) / widths: 70 / 80 / 90 cm (up to 120 cm).

Technical documentation

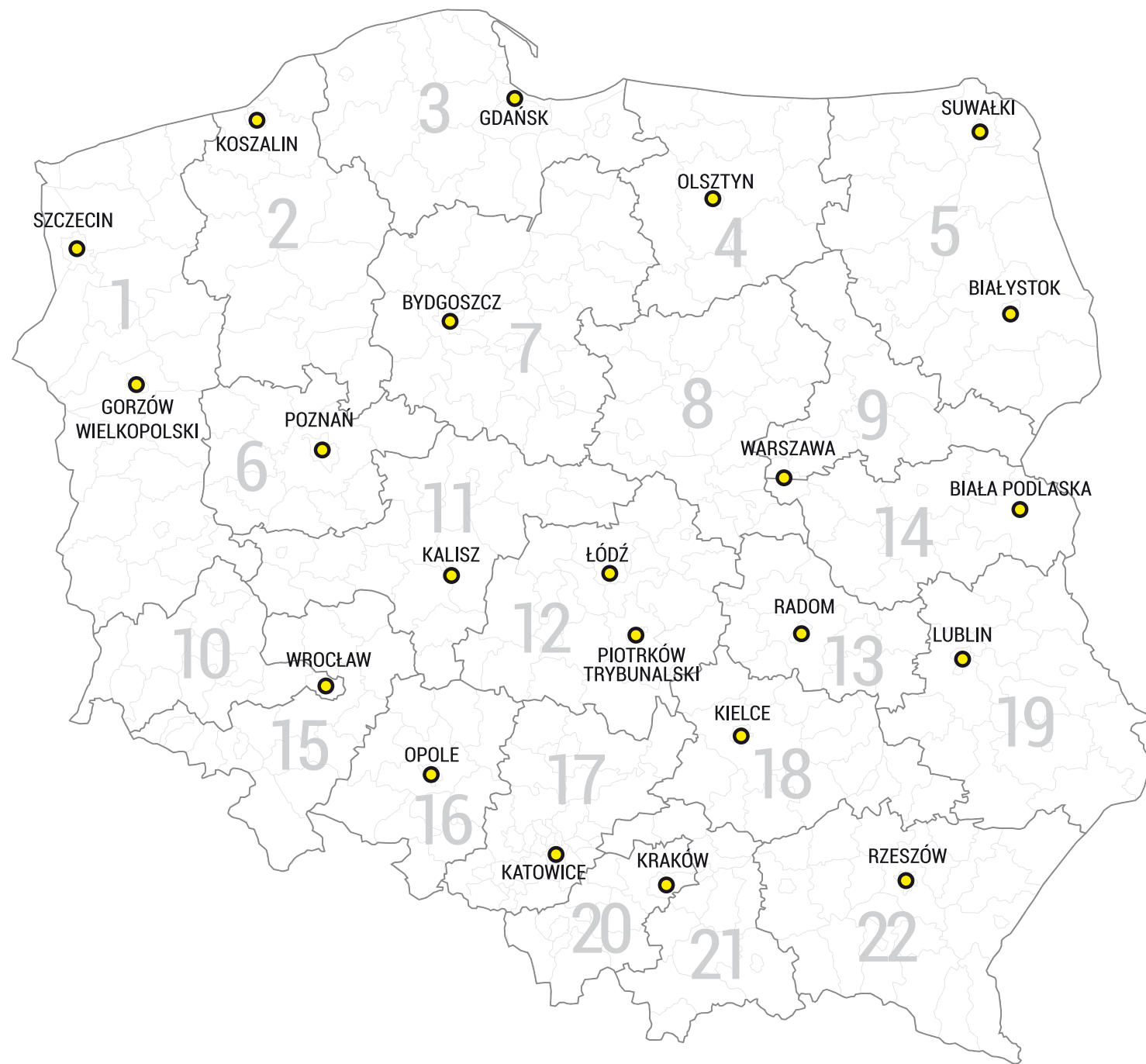
- technical approval of the Building Research Institute (ITB) no AT-15-8578/2011,
- certificate of compliance with PN-EN 1935:2003 for the hinges, patent claims
- acoustic insulation at 35dB, confirmed by certificate
- fire resistance in class Ei30 for selected models

Distinctive characteristics of the system:

- hidden aluminium casing with multi-chamber profile
- aluminium leaf structure
- height up to 300 cm
- possibility to cover the door with various finishing materials, i.e. Lacobel glass, mirror, etc.
- highly soundproof (acoustics: 35dB)
- ideal for wet rooms such as sauna, spa, etc. (aluminium construction guarantees 100% resistance to humidity)

Unique design, different dimensions of PIU Design doors, adaptation to the wall finishing and individual design have been recognised at many design festivals in Poland and abroad.





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WYDANIE 02/2014

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