

imperband standard kit



The **standard imperband kit** is an indoor waterproofing system consisting of a ABS outlet thermowelded to a 150 x 225 cm waterproof sheet. Specially recommended for waterproofing shower trays in new building works. Residential use.

The waterproof sheet is an **imperband** type 0.5 mm thick polymer membrane with a double thermoplastic polyolefin sheet and covered on both sides by non woven polyester fibers that allow it to be bonded to surfaces using cement-based adhesives. The gutter features a compact design and multiple possibilities of outlet connections.

Recommended use:

Specially designed for waterproofing built in showers.

Materials

- Absorbent and non-absorbent ceramic tiles. Porcelain tiles with a water absorption < 0.5% as per EN-ISO 10545-3.
- Glass mosaic.
- Natural stone.

Substrates

- Cement covered floors.
- Suitable for concept XPS shower trays, made from prefabricated polystyrene panels.

Features

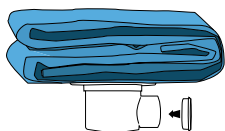
- Double thermoplastic polyolefin membrane covered on both sides by non woven polyester fibers.
- Maximum security, it eliminates leakage risks between waterproof sheet and drain piece.
- Discharge speed. 0.6 l/s.
- Compact system, just 100 mm high.
- Adaptable to horizontal and vertical outlets. Adjustable outlet diameter: 40/50 mm.
- Includes u-bend.
- Direct installation of the tile on the waterproof sheet.
- Good chemical resistance.
- Quick and easy application.
- Wide choice of stainless steel grates.

Components

- ABS outlet thermowelded to a 150 x 225 cm **imperband** type waterproofing sheet.
- Outlet cover.
- Diameter adapter to 40 mm.
- U-bend.

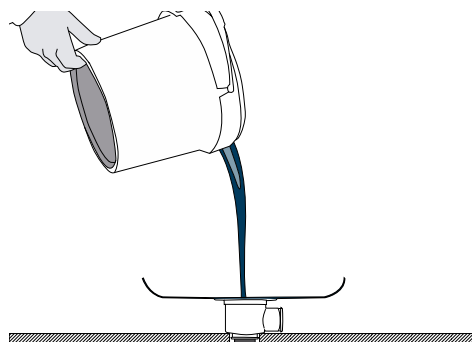
Installation Guide

This waterproofing kit from **butech** has been developed for laying tiles with the thin-bed method with adhesive and a notched trowel. Type C2 adhesives are recommended as per EN 12004. **butech** recommends the use of **fr-one n** or **one-flex Premium**. In any case, refer to the chosen adhesive data sheet.



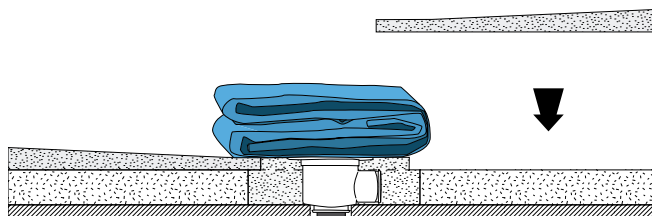
1. Connecting the imperband kit to the drain pipe.

Depending on the drainage pipe position, select one of the system outlets and seal the other outlet with the cap provided to that effect. Given the case, use the drain outlet diameter adapter and glue the drainage pipe.



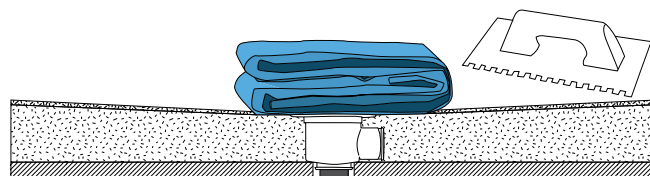
2. Checking the outlet is watertight.

Pour water through the outlet and check it works correctly. Protect the outlet to prevent building debris from blocking it.



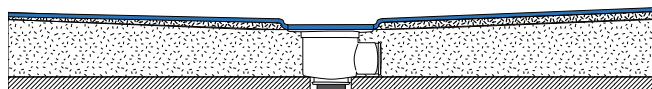
3. Preparing the shower tray substrate:

Fill the shower tray base with cement mortar up to the outlet upper level and make 2 % slopes towards the outlet. Check that the upper part of the drain and the grid will be at the same level as the shower tray tiles, taking into account the shower tray base level, adhesive layer and thickness of the shower tray tiles.



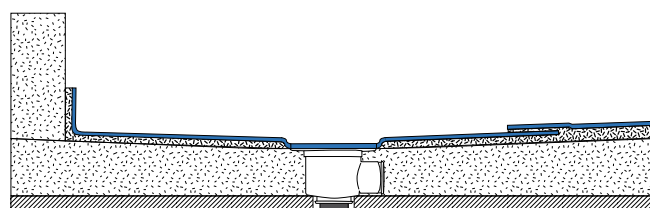
4. Shower tray waterproofing.

Once the substrate dry, choose a type C2 cement-based adhesive as per EN 12004 and spread it with a 6 mm notched trowel.



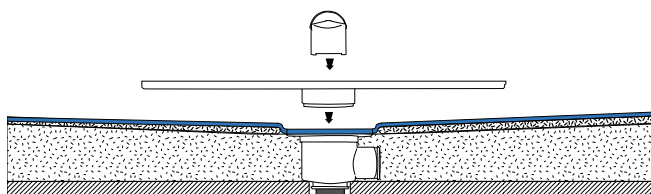
5. Waterproofing Sheet Bonding

Cut the waterproofing sheet according to the shower tray, leaving edges as to cover 10 cm on all walls. Unroll the waterproofing sheet and press it on the fresh adhesive avoiding to form air bubbles.



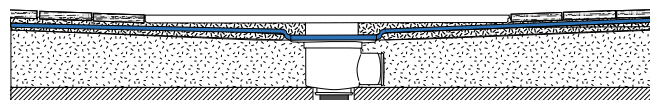
6. Shower tray angles waterproofing.

In the corners, bond the sheet so as for it to cover all the wall-shower tray junction line. In case you need to extend the waterproofing along the wall and the floor, overlap at least 5 cm with **imperband**, waterproofing sheet for indoor use.



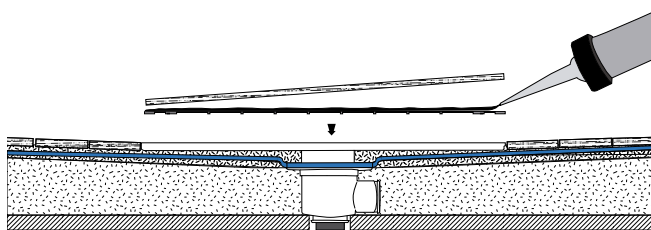
7. Installing the grate frame.

Insert the grate frame in the outlet gap and bond with p-404 polyurethane putty. There is no need to seal the joint between the frame and the outlet. Install the u-bend.



8. Laying the covering material.

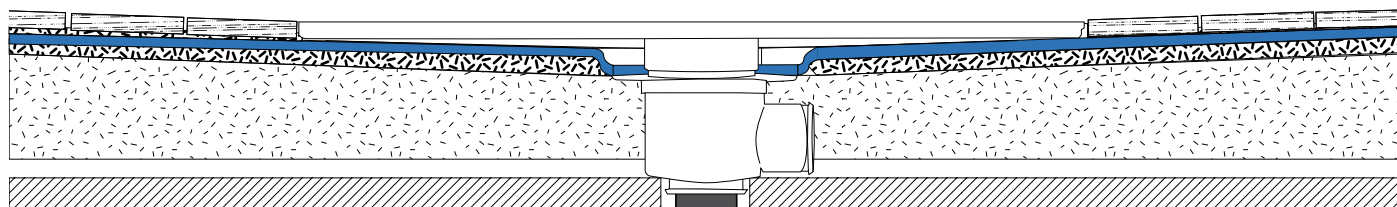
Once the grate frame installed, spread a layer of type C2 as per EN 12004 cement-based adhesive with a suitable size notched trowel, starting from the grating frame. Lay the chosen covering.



9. Installing the decorative grating.

Once the shower tray tiled, seal the joint between frame and covering with **p-404** putty and install the chosen decorative grating. Finally, seal the tile joints with a waterproof material. Check that the shower tray tiles are at the same level as the grid, especially when this grid is covered with

In the case of linear grates with ceramic finish, cut the ceramics with the water-cooled electric cutting machine, polish the edges with a sanding block and bond with **p-404** polyurethane putty.



Preservation

- Store in its original package, closed, in a dry place, covered and protected from moisture and direct sunlight. Storage temperature will be lower than 30°C.

Supplementary Instructions

- The only lying technique recommended is the thin-bed method with notched trowel. Do not bond with mortar applied with a trowel.
- When installing imperband, use a 6 x 6 or 8 x 8 cm notched trowel.
- The use of water-based dispersion adhesives is not recommended.
- Scrupulously follow all the indications about preparation and application of the adhesive.
- Working times depend on wind, moisture and temperature conditions at the work site, so the working times indicated in this sheet can change in relation to those where the lying is being carried out.
- Protect from rain and frost at least during the first 24 hours.
- Do not apply when temperature is below +5°C or above + 35°C.
- Make slopes to ensure correct water drainage.
- When laying mesh backed glass mosaic, check that the adhesive goes through the mesh and contacts the mosaic pieces.
- Do not use in substrates subject to heavy movement.
- Do not use in waterproofings with negative water pressures.
- The layout, width and constructive details of the perimetral and intermediate movement joints, as well as the materials to be used, must be included in the tile laying project.
- Make perimetral movement joints in corners, level changes in the floor and at the height of changes of material.
- The technical information included in this data sheet has been gathered from tests at certified laboratories and in the conditions stated by the relevant standards.
- For further information about this product, refer to the **Technical Department at butech**.

Technical Sheet Conditions

- This data sheet does not describe a finished product; it is a waterproofing material which, together with other products and materials, determines a ceramic tiles lying system. Instructions in this technical sheet have been written based on our experience and technical expertise, but they have to be considered as general recommendations, which together with those for the rest of the products in the system, help the tile-laying professionals in the performance of their job.
- As it is not possible to know all the features and conditions of a building job, professionals must consider it and, if deemed appropriate, perform a previous test to confirm whether the product is suitable for the job.
- The technical sheet cannot reflect all the applications and conditions entailed in the use of a material, so, in situations not described in this sheet, we recommend to perform a previous test and refer to our technical department.
- This sheet has been updated in January, 2021.

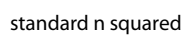
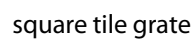
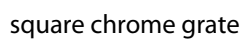
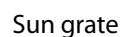
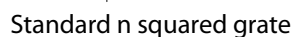
Waterproofing Sheet Technical Data

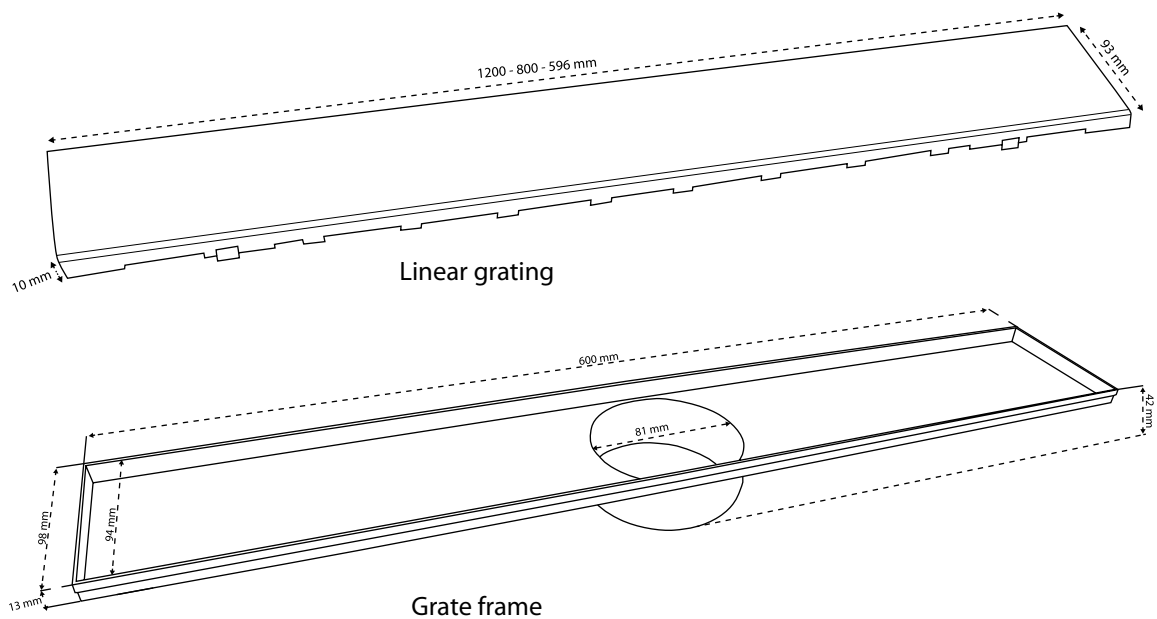
Features	Testing method	Unit	Tolerance	Value
Watertightness	EN 1928 met. B			Passed
Breaking strength	EN 12311-2 met. A	N/50mm	L > 395 T > 130	L > 425 T > 130
Lengthening	EN 12311-2 met. A	%	L > 23 T > 190	L > 25 T > 200
Resistance of overlappings (shear)	EN 12317-2	V	> 1110	> 125
Impact resistance	EN 12691	mm		PND
Resistance to static loads	EN 12730 met. B	Kg	> 20	> 20
Foldability at low temperature	EN 495-5	°C		PND
Flammability	EN 13501-1	Euroclass		F
Length	EN 1848-2	cm	< 1%	225
Width	EN 1848-2	cm	< 1%	150
Weight	EN 1849-2	gr/m ²	-0.5% - 10%	350
Effective thickness	EN 1849-2	mm	5% - 10%	0.5
Visible defects	EN 1850-2	mm		Passed
Straightness	EN 1848-2	mm	G < 50	G < 10
Flatness	EN 1848-2	mm	P < 10	P < 5

Outlet Technical Data

Features	Testing method	Unit	Value
Height		mm	82
Output	Horizontal	mm	40 / 50
	Vertical	mm	40 / 50
Discharge speed		L / s	0.6

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Grate Technical Data

Features/Grate frame	Testing method	Unit	Value
Height		mm	42/52
Output		mm	81
GRATE dimensions		cm	See references
Effects of chemicals	Stable against chemicals commonly used with ceramic coverings, cleaning and maintenance.		
Materials	Drain: ABS Grate and cradle: AISI 304 Stainless Steel Electro-polished finish.		



Texture



Chrome texture



Squared



Line



Ceramic



Glass white



Glass black



Linear black

References

SAP	Product description	Packaging
100103360	kit imperband estandar 1.5x2.25 mts	1 kit/box

SAP	Product description	Packaging
100148572	standard n squared	1 grate/box
100114593	standard sun	1 grate/box
100293010	square chrome	1 grate/box
100293012	square tile	1 grate/box

SAP	Product description	Packaging
100103364	linear texture chrome 120 x 9,3 cm	1 grate/box
100103365	linear texture chrome 59,6 x 9,3 cm	1 grate/box
100103366	linear texture chrome 80 x 9,3 cm	1 grate/box
100103367	linear texture 120 x 9,3 cm	1 grate/box
100103368	linear texture 59,6 x 9,3 cm	1 grate/box
100103369	linear texture 80 x 9,3 cm	1 grate/box
100103370	linear squared 120 x 9,3 cm	1 grate/box
100103371	linear squared 59,6 x 9,3 cm	1 grate/box
100103372	linear squared 80 x 9,3 cm	1 grate/box
100103373	linear line 120 x 9,3 cm	1 grate/box
100103374	linear line 59,6 x 9,3 cm	1 grate/box
100103375	linear line 80 x 9,3 cm	1 grate/box
100278946	linear black grate 59,6 x 9,3 cm	1 grate/box
100141153	linear grate glass black 59,6 x 9,3 cm UPC	1 grate/box
100141156	linear grate glass white 59,6 x 9,3 cm UPC	1 grate/box
100148594	linear grate cer 120 c/marco mounting kit	1 grate/box
100148593	linear grate cer 59,6 c/marco mounting kit	1 grate/box
100148595	linear grate cer 80 c/marco mounting kit	1 grate/box

*The linear grate mounting kit includes a metallic base for fixing the tiles, adhesive putty and a grinder for finishing the cut tiles.