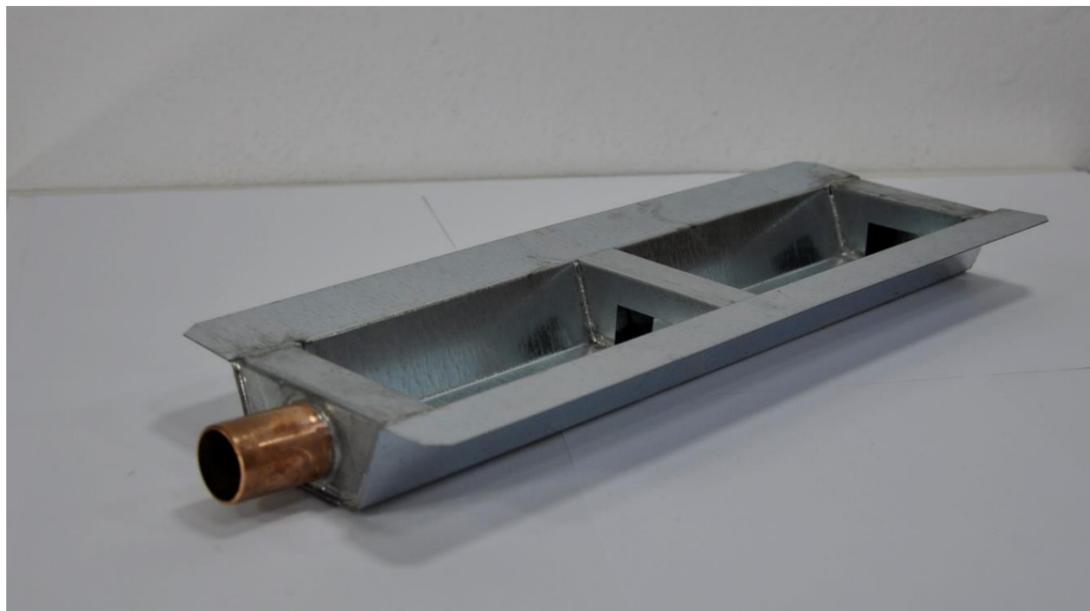


• CLEANING MATS • EINGANGSMATTEN • WYCIERACZKI ALUMINIOWE •

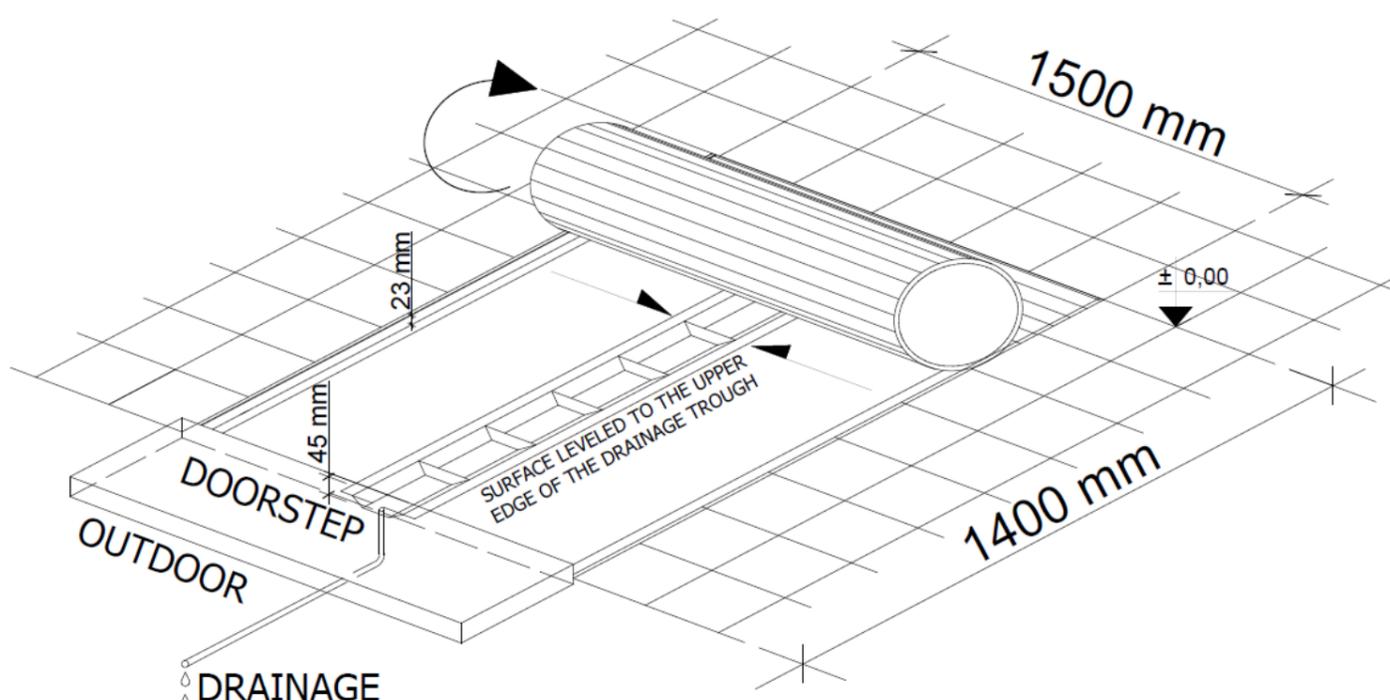
CLEANING MATS – TYPES OF BUILDINGS

DRAINAGE TROUGH

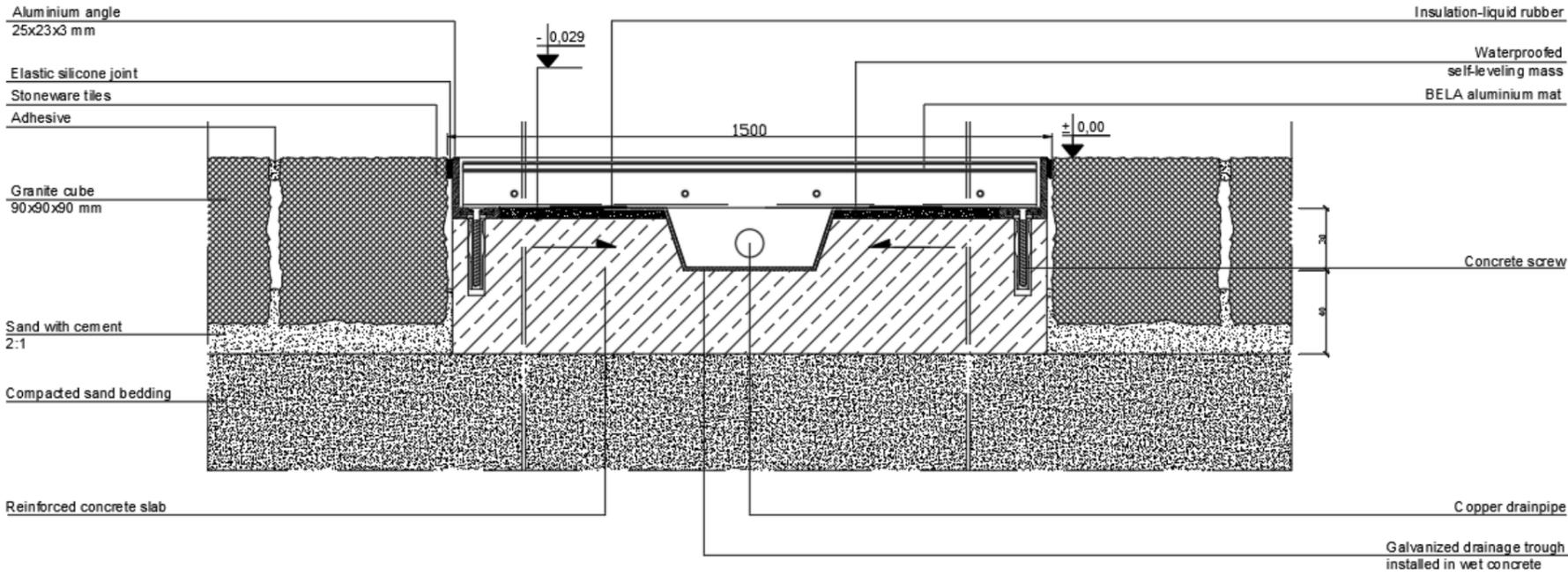
In high-traffic facilities (from 1000 to 5000 entries per day) slush and water are often brought in and penetrate the mat, in which case it is advisable to mount a simple device that will drain the water outside the building. For this purpose we have created a light, easy-to-mount and most importantly stable (as opposed to drip trays offered by other manufacturers) drainage trough made out of a soldered galvanised sheet steel, equipped with a copper outlet available in different diameters (from 28 mm to 50 mm). Thanks to its design, in combination with the arrangement of transverse mat profiles, the draining structure is resistant to very high dynamic loads.



The dimensions and standard mouting of the drainage trough under the cleaning mat inside a building



Drainage trough mounting in cement screed – Gliwice Railway Station, Poland



<https://www.bela.com.pl/eng/installation-drainage-trough-outdoor-mat.dwg>



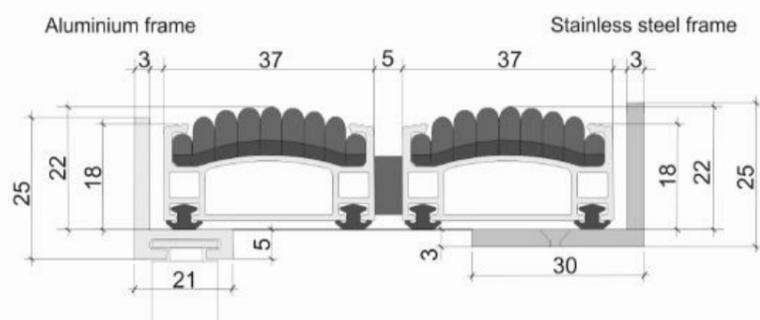
ROBUST ALUMINIUM CLEANING MATS HAVING A HEIGHT OF 22/24 MM

Aluminium cleaning mat with felt

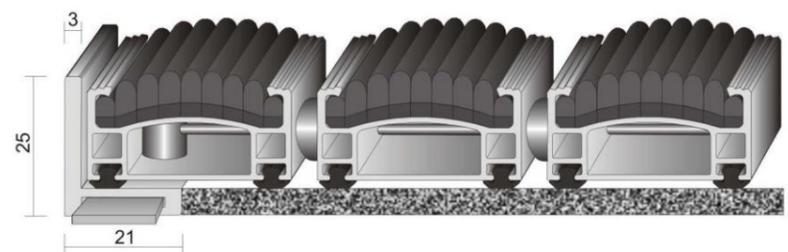


Aluminium profiles with non flammable felt 7mm thick, fire class CFL s1 with a total height of 15 mm. Felt (polypropylene) of a very high-strength and good cleaning performance. Also available in 9 mm. High dynamic impact resistance through the use of arch shaped profiles. The mat traps dirt in spaces between the profiles and absorbs up to 80% of moisture from footwear. The drying layer of the mat gives excellent cleaning results. Usable only for internal areas of the entrance. Suitable for entrances with any intensity of traffic. Perfect for entrances with an input and output of products with transport trolleys. Acoustic backing underneath the mat is standard.

Profile height of 17 mm width 36 mm, overall mat height 21 mm (with the felt having a thickness of 7 mm) and 23 mm (with a felt having a thickness of 9 mm).



Stainless steel frame



Technical data <https://www.bela.com.pl/eng/15-bela-robust-aluminium-mat-with-felt,-height-22-23-mm.pdf>

Declaration of performance <https://www.bela.com.pl/eng/02-2020-robust-with-felt-22-23mm.pdf>

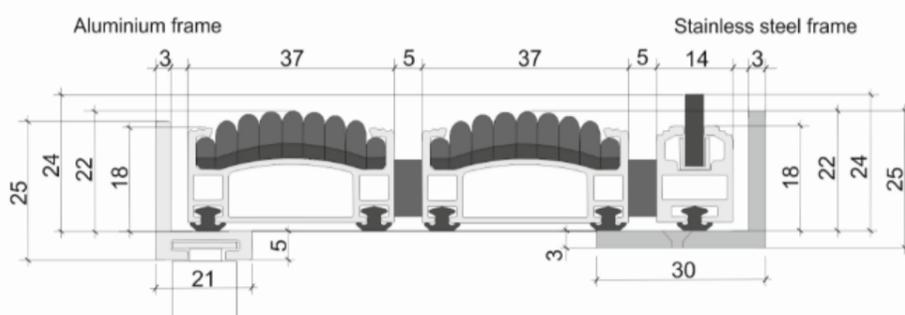
Aluminium cleaning mat with felt and linear brush



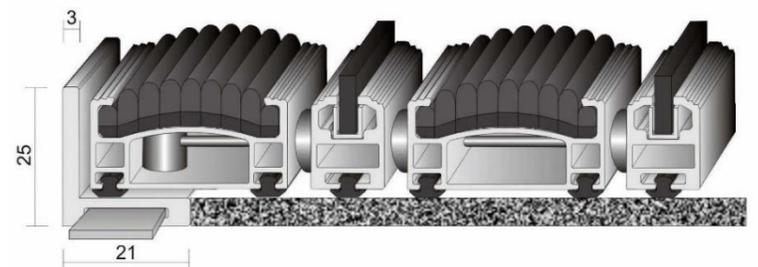
Aluminium profiles with felt and strengthened linear brush in any proportion (felt - brush 1:1, 2:1, 3:1, 5:1). High dynamic impact resistance through the use of arch shaped profiles. Traps dirt in spaces between the profiles through active cleaning of the linear brush situated higher than the felt Surface. Absorbs up to 80% of the moisture from footwear thanks to a rounded felt surface. The drying layer of the mat gives excellent cleaning results. Usable only for internal areas of the entrance. Suitable for entrances with any traffic, in particular for entrances with traffic ranging between 10,000 and 20,000 entries per day. Acoustic backing underneath the mat is standard.

It is possible to use non-flammable felt, fire class cfl s1.

Profile height 17 mm, brush profile width 12 mm, felt profile width 36 mm, overall height of the mat 24 mm.



Stainless steel frame



Technical data <https://www.bela.com.pl/eng/16-bela-robust-aluminium-mat-with-felt-and-linear-brush-1-1,height-24mm.pdf>

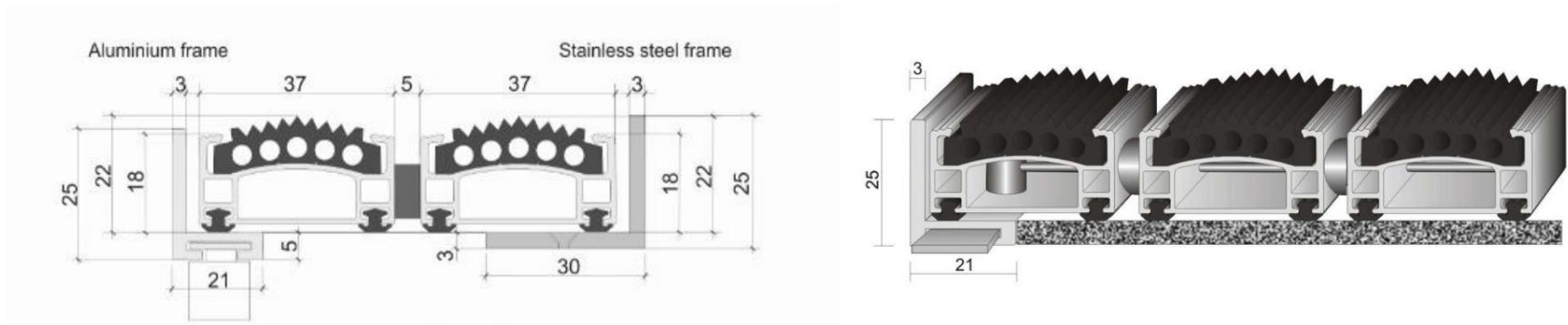
Declaration of performance <https://www.bela.com.pl/eng/03-2020-robust-with-felt-and-linear-brush-24mm.pdf>

Aluminium cleaning mat with rubber



Aluminium profiles with rubber. High dynamic impact resistance through the use of arch shaped profiles. Safe under the conditions of freezing drizzle. Traps dirt in spaces between profiles and stops water through the arched, active surface of the rubber. Rubber profiles are double notched. Recommended for outdoor areas and ventilated interior vestibules. Suitable for entrances with any intensity of traffic. Perfect for entrances with an input and output of the products with transport trolleys. Acoustic backing underneath the mat is standard.

Profile height 17 mm, profile width 36 mm, overall height of the mat 23 mm.



Technical data <https://www.bela.com.pl/eng/17-bela-robust-aluminium-mat-with-rubber,-height-22-mm.pdf>

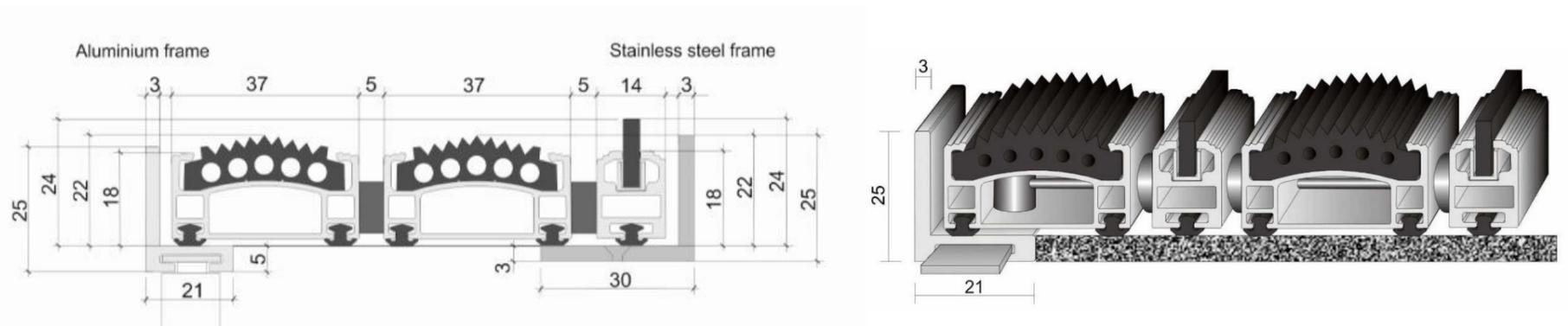
Declaration of performance <https://www.bela.com.pl/eng/01-2020-robust-with-ruber-22mm.pdf>

Aluminium cleaning mat with rubber and linear brush



Aluminium profiles with rubber and reinforced linear brush in proportions 1:1. High dynamic impact resistance through the use of arch shaped profiles. Trapping dirt in spaces between the profiles through active linear brushes located higher than the rubber surface. Safe under the condition of freezing drizzle. Perfectly removes dirt and sand. Recommended for outdoor and indoor use. Suitable for entrances with any traffic, in particular for entrances with traffic ranging between 10,000 and 20,000 entries per day. Perfect for entrances with an input and output of products with transport trolleys. Acoustic backing underneath the mat is standard.

Profile height 17 mm, brush profile width 12 mm, rubber profile width 36 mm, overall height of the mat 24 mm.



Technical data <https://www.bela.com.pl/eng/18-bela-robust-aluminium-mat-with-rubber-and-linear-brush-1-1,-height-24mm.pdf>

Declaration of performance <https://www.bela.com.pl/eng/04-2020-robust-with-rubber-and-linear-brush-24mm.pdf>

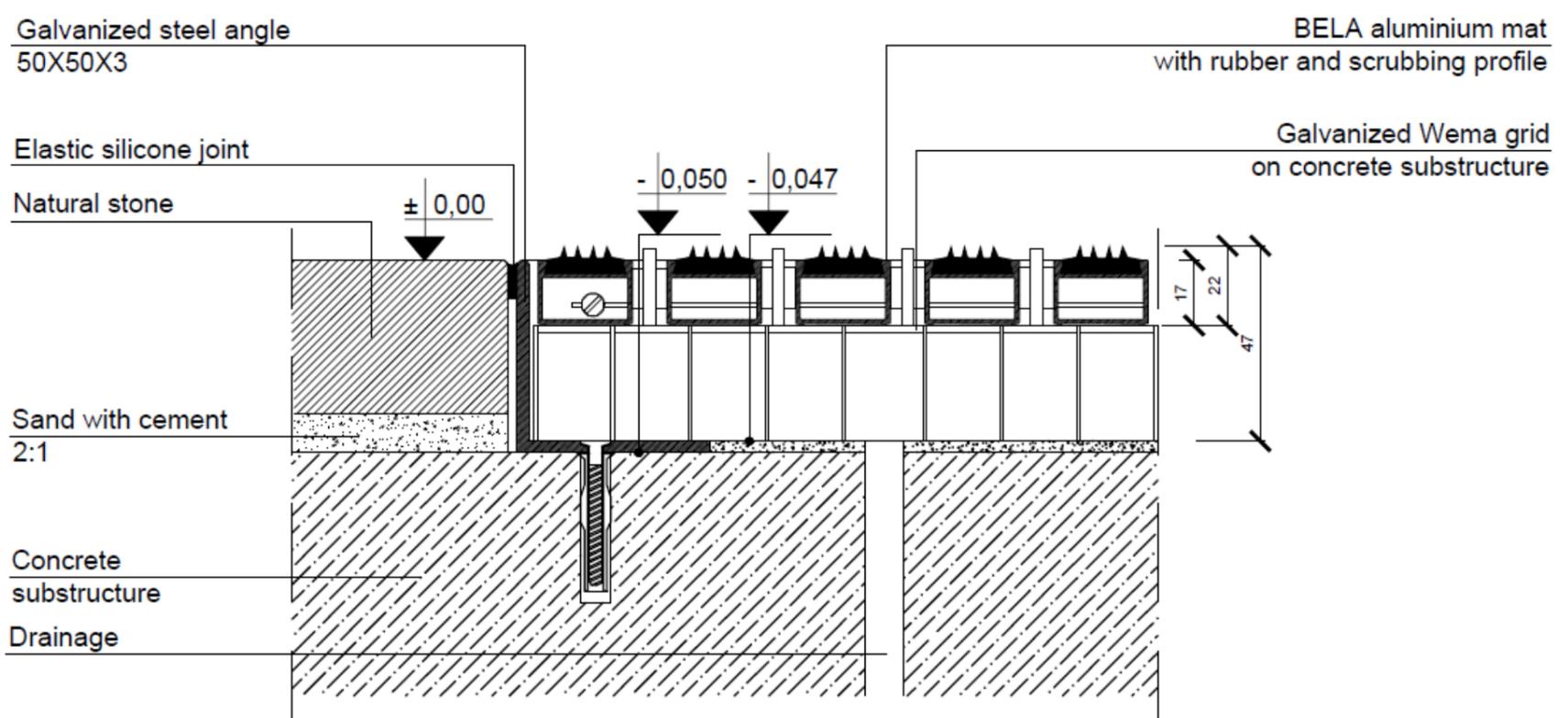
ALUMINIUM MAT ON WEMA GRID – SURFACE DRAINAGE

The use of grid as a constructional element creating a „little cellar” under the external cleaning mat guarantees a lasting collection of dirt and snow, without the need of frequent cleaning of the entrance. Placing a grid straight onto a flat, levelled surface ensures the system stability and enables the use of a grid with small cross-section flat bars (25x3mm). Such system can withstand a car passing through and none of its elements will bend. Accumulated rainwater and molten snow will flow down without creating any blockage in the lower part of the drainage.

Applying grids in small and medium-sized outdoor entrances provides the possibility of cleaning the space underneath the mat once a year.

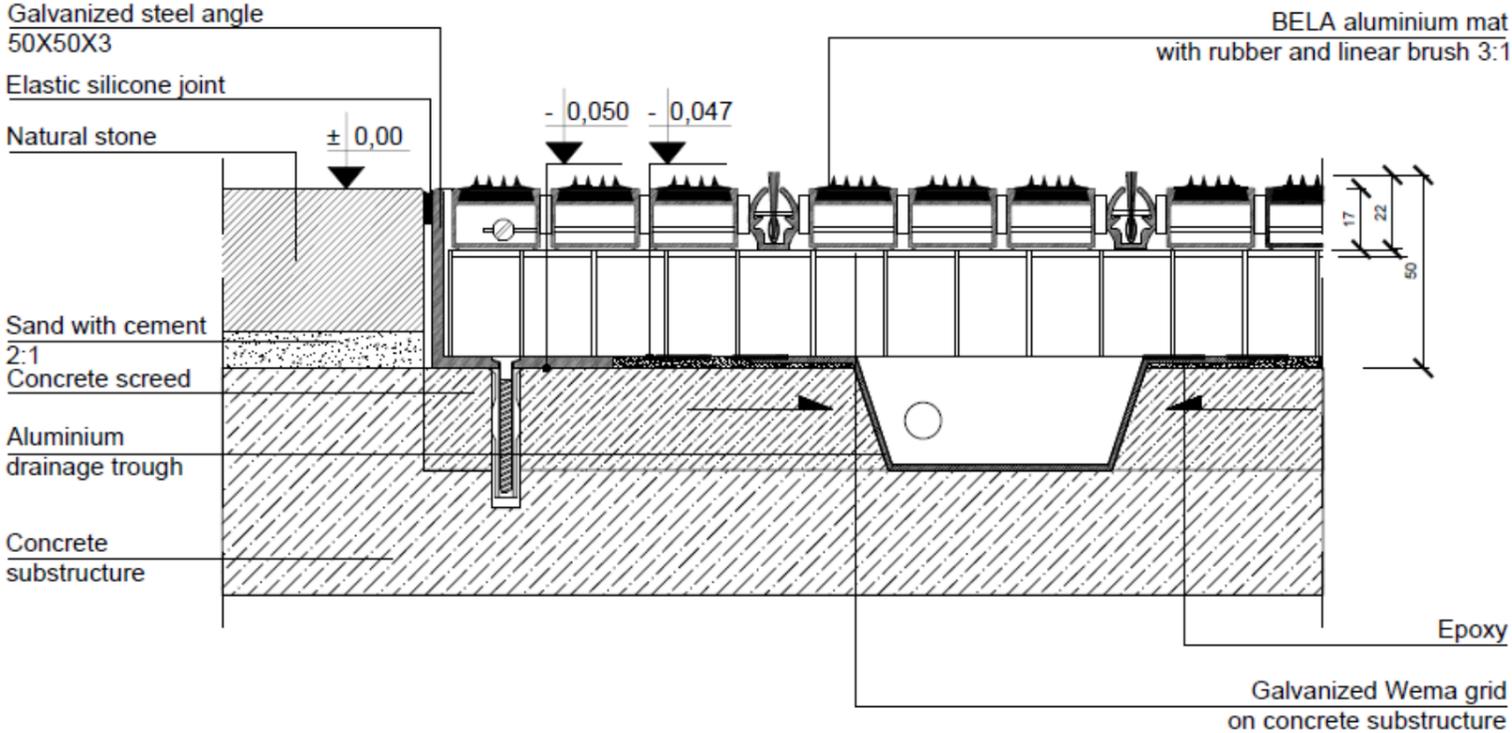


Mounting indoor mats on Wema grid



WEMA GRID WITH DRAINAGE TROUGH

Mounting indoor mats on Wema grids with drainage trough



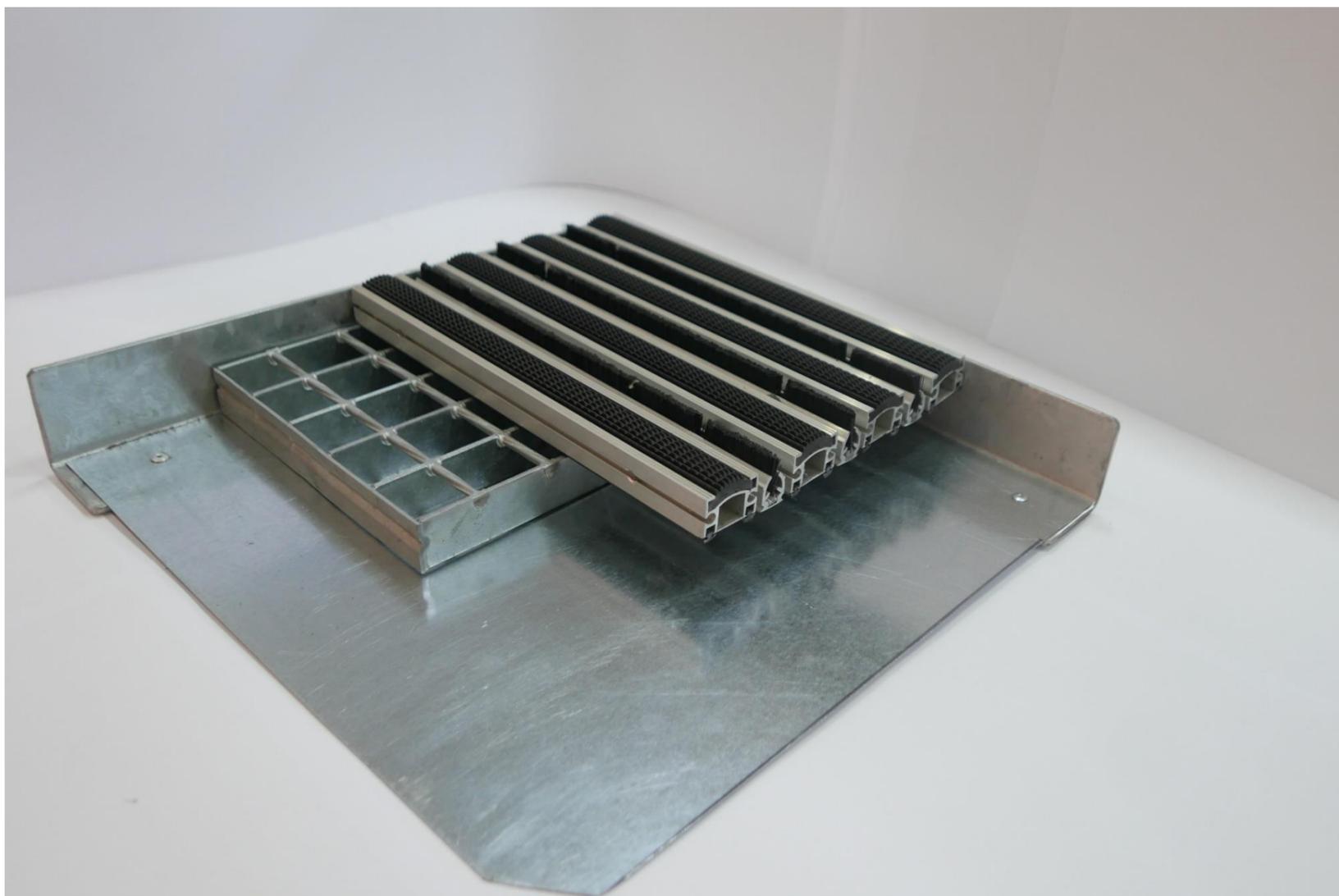
<https://www.bela.com.pl/eng/installation-mat-on-wema-grid-with-drainage-trough.dwg>



WEMA GRID – WATERPROOF TUB WITH DRAINAGE TO CANALIZATION

A tub collecting rainwater, used under aluminium cleaning mats with high traffic. Made with an affordable version of galvanized angles 50x50x3 mm and a waterproof substructure made of galvanized steel sheets 0.8 mm. Holes are made in the galvanized steel sheet, to allow the installation of a drain trap. Waterproof tubs in combination with wema grids are made in any size or divided into several smaller elements. These devices are durable and guaranteed for many years of use.

Cleaning them by removing individual layers is also no problem: first roll up the aluminum mats, then lift the wema grid, and in the end clean the tub base and the syphon.



Waterproof tub made of galvanized stainless steel

Galvanized Wema grid on concrete substructure
height 25mm

BELA ROBUST aluminium mat with rubber and linear brush 1:1
slip resistance rating: R12

Galvanized steel angle
50x50 mm

Elastic silicone joint

Granite cube
90x90x90 mm
Water insulation, light

Drain grid

Sand with cement
2:1
Syphon

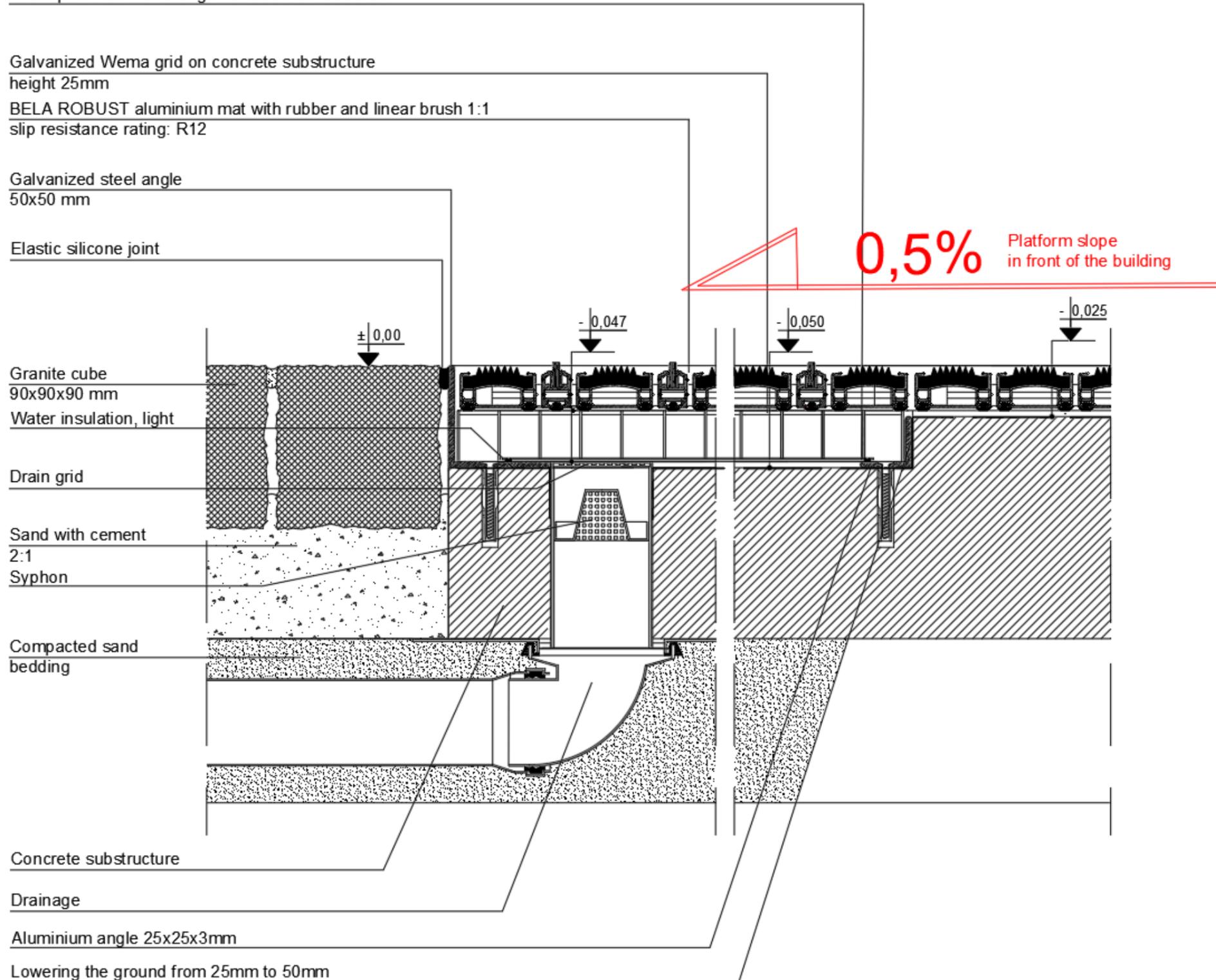
Compacted sand
bedding

Concrete substructure

Drainage

Aluminium angle 25x25x3mm

Lowering the ground from 25mm to 50mm



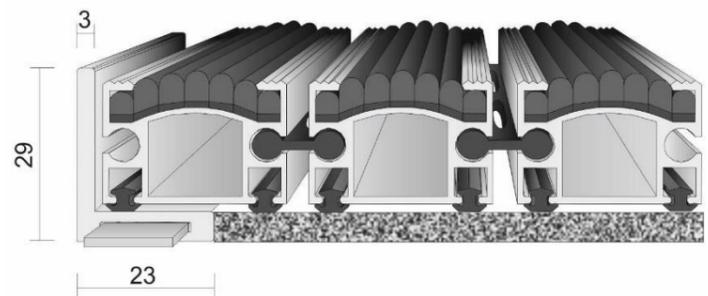
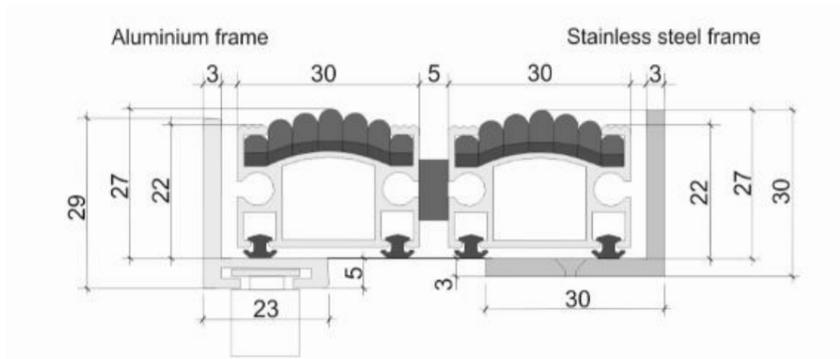
SPECIAL ALUMINIUM CLEANING MATS HAVING A HEIGHT OF 24/27/29 MM

Aluminium cleaning mat with felt



Aluminium profiles for mats of various irregular shapes joined with a vinyl connector or stainless steel line, that allow the adaptation to different planes. Aluminium profiles with non flammable felt 7mm thick, fire class CFL s1. Felt (polypropylene) of a very high-strength and good cleaning performance. Also available in 9 mm. Traps dirt and absorbs 80% of moisture from footwear through the arched surface of the felt.. Usable only for internal areas of the entrance. Suitable for entrances with a very high pedestrian traffic. Acoustic backing underneath the mat is standard. Can be rolled up for transport. Easy to clean.

Profile height of 20 mm, profile width of 30 mm, overall mat height 25 mm (with the felt having a thickness of 7 mm) and 27 mm (with a felt having a thickness of 9 mm).



Technical data <https://www.bela.com.pl/eng/19-bela-special-aluminium-mat-with-felt,-height-25-27-mm.pdf>

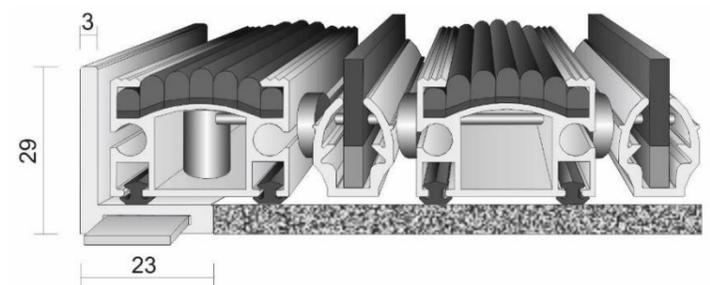
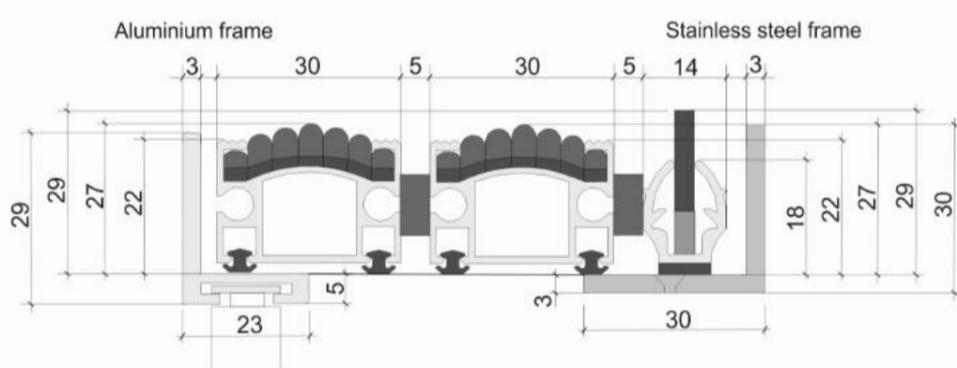
Declaration of performance <https://www.bela.com.pl/eng/06-2020-special-with-felt-25-27mm.pdf>

Aluminium cleaning mat with felt and linear brush



Aluminium profiles with felt and linear brush in proportions 1:1 Can be rolled up for transport. Easy to clean. Trapping dirt through the active linear brush located higher than the felt surface and absorbs moisture. Perfectly removes dirt and sand. Suitable for entrances with high intensity of traffic. Acoustic backing underneath the mat is standard. Possibility to use non-flammable felt, fire class cfl s1.

Profile height 20 mm, profile width 30 mm, overall height of the mat 27 mm. Possibility of applying a higher brush what will result in better cleaning and 29 mm overall height of the mat..



Technical data <https://www.bela.com.pl/eng/20-bela-special-aluminium-mat-with-felt-and-linear-brush-1-1,-height-27-29-mm.pdf>

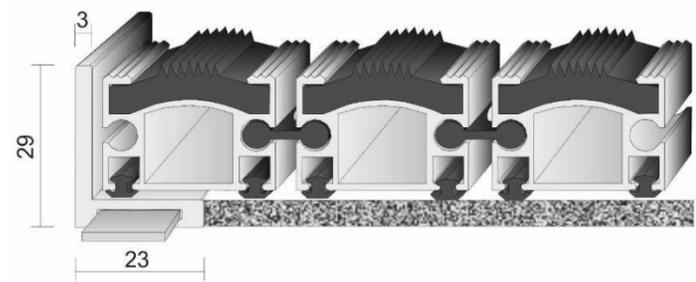
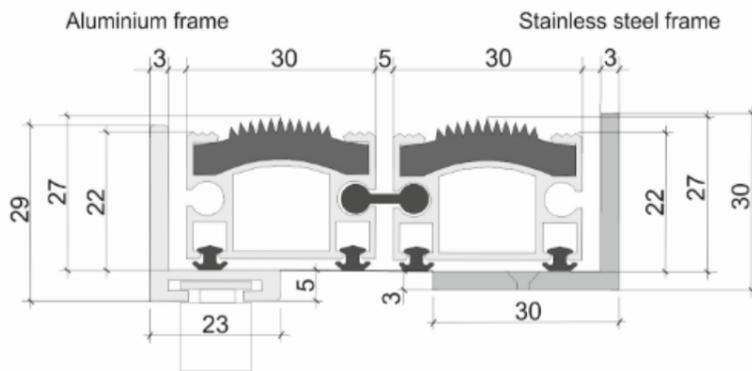
Declaration of performance <https://www.bela.com.pl/eng/07-2020-special-with-felt-and-linear-brush-27-29mm.pdf>

Aluminium cleaning mat with rubber



Aluminium profiles for mats of various irregular shapes joined with a vinyl connector or stainless steel line, that allow the adaptation to different planes. The aluminium profiles are equipped with natural, double notched rubber. Mats of this type perfectly suit revolving doors and other complex surfaces. Can be rolled up. Easy to clean. Stops dirt through 24 mm deep spaces between the profiles. Safe under the conditions of freezing drizzle. Traps dirt and water through the arched surface of the rubber. Recommended for indoor vestibules and outdoor use. Suitable for entrances with high intensity of traffic. Acoustic backing underneath the mat is standard.

Profile height 20 mm, profile width 30mm, overall height of the mat 26 mm.



Technical data <https://www.bela.com.pl/eng/21-bela-special-aluminium-mat-with-rubber,-height-26-mm.pdf>

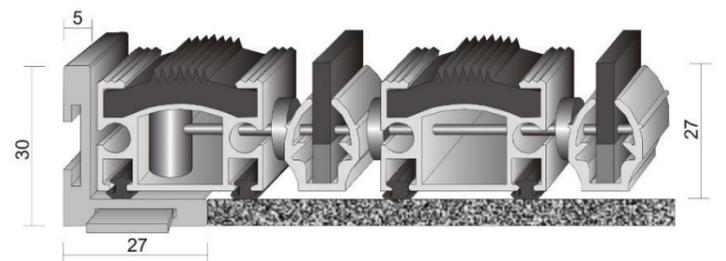
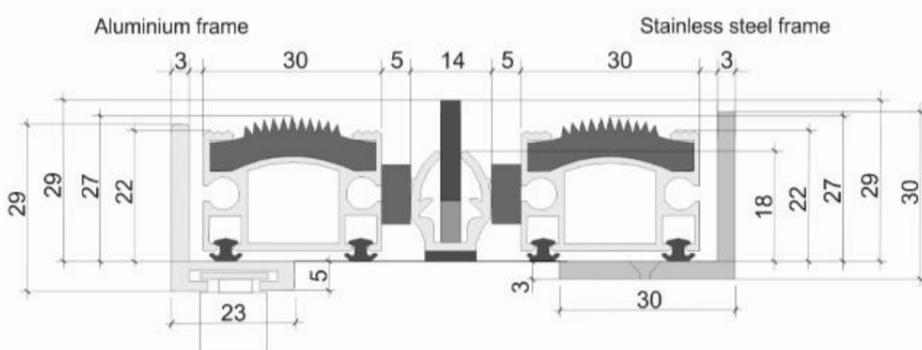
Declaration of performance <https://www.bela.com.pl/eng/05-2020-special-with-rubber-27mm.pdf>

Aluminium cleaning mat with rubber and linear brush



Aluminium profiles with rubber and linear brush in proportions 1:1. Can be rolled up. Easy to clean. High cleaning effect through the use of profiles with a linear brush. Safe under the conditions of freezing drizzle. Recommended for indoor vestibules and outdoor use. Suitable for entrances with very high pedestrian traffic. Acoustic backing underneath the mat is standard.

Profile height 20 mm, profile width 14 mm, overall height of the mat 27 m. Possibility of applying a higher brush what will result in better cleaning and 29 mm overall height of the mat..

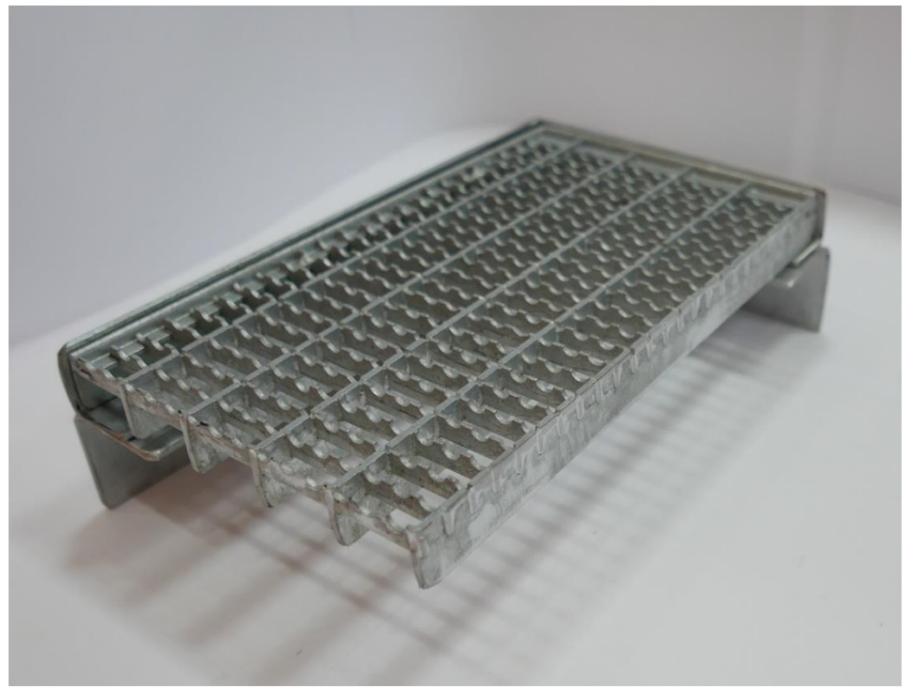
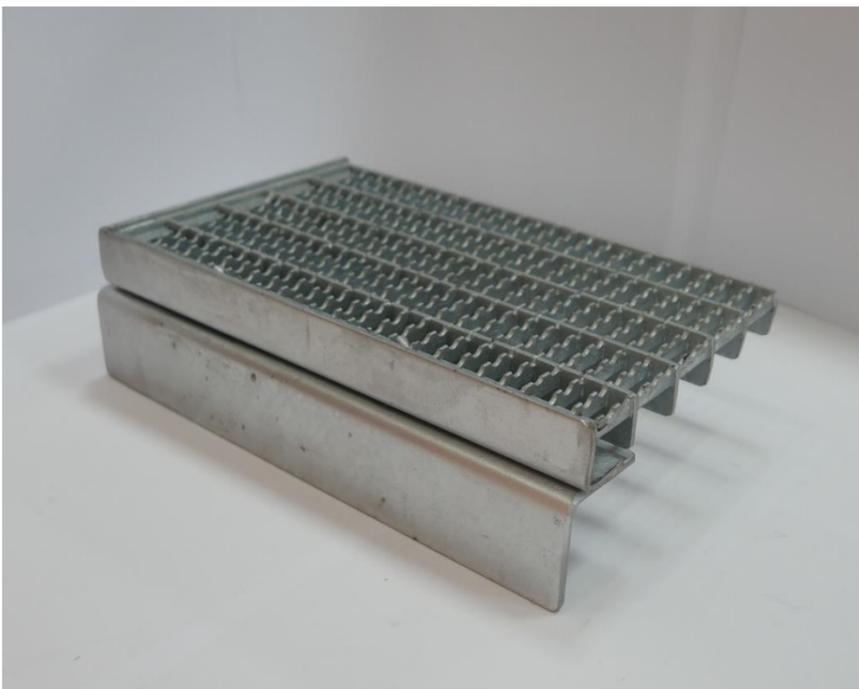


Technical data <https://www.bela.com.pl/eng/22-bela-special-aluminium-mat-with-rubber-and-linear-brush-1-1,-height-27-29mm.pdf>

Declaration of performance <https://www.bela.com.pl/eng/08-2020-special-with-rubber-and-linear-brush-27-29mm.pdf>

NOTCHED GALVANIZED METAL GRID

A system of high-strength galvanized metal grids was created for the needs of pre-cleaning zones in shopping centers and stores with high traffic. The use of a notched grid helps against slipping. This system is mounted on a support frame made of galvanized angles 50x50x3 mm connected by a crossbar, which will withstand the weight of a passing car. Installation at a depth of about 10 cm allows cleaning once a year. The system is equipped with anti-theft screws and has a dimension of 120x100 cm. It is possible to use multiple combined modules.



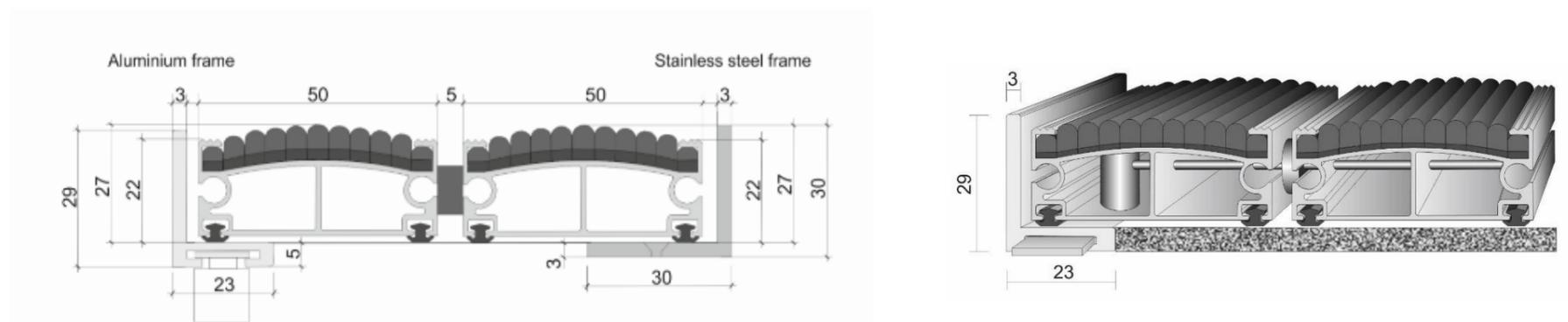
PREMIUM ALUMINIUM CLEANING MATS HAVING A HEIGHT OF 24/27/29 MM

Aluminium cleaning mat with felt



Aluminium profiles equipped with 7 mm thick felt in a non flammable version, fire class CFL s1. Felt (polypropylene) of a very high-strength and good cleaning performance. Also available in 9 mm. High dynamic impact resistance through the use of arch shaped profiles. Can be rolled up. Easy to clean. The drying layer of the mat gives excellent cleaning results. Usable only for internal areas of the entrance. Suitable for entrances with a very high pedestrian traffic. Thanks to use of a vinyl connector and a steel line it is ideal for shaping curved parts of the entrance. Acoustic backing underneath the mat is standard.

Profile height: 20 mm, profile width of 50 mm, overall mat height 25 mm (with the felt 7 mm thick) and 27 mm (with a felt 9 mm thick).



Technical data <https://www.bela.com.pl/eng/23-bela-premium-aluminium-mat-with-felt,-height-25-27-mm.pdf>

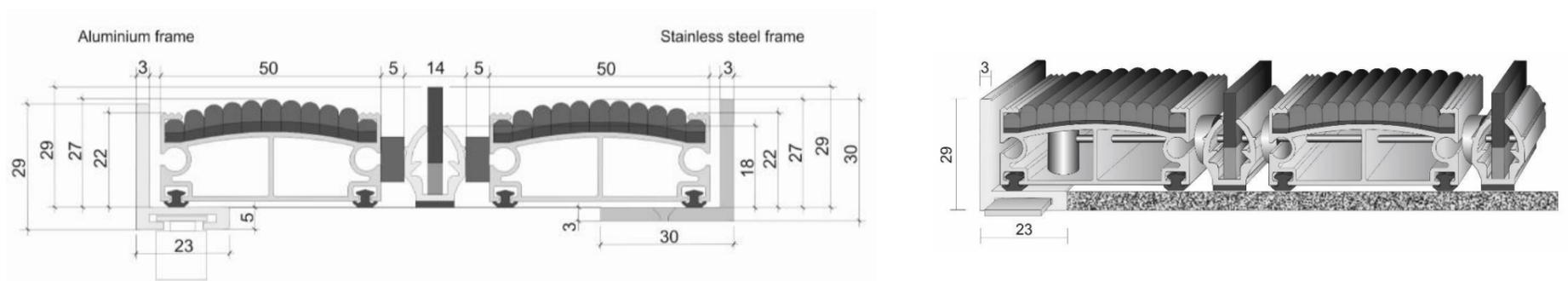
Declaration of performance <https://www.bela.com.pl/eng/10-2020-premium-with-felt-25-27mm.pdf>

Aluminium cleaning mat with felt and linear brush



Aluminium profiles with felt and linear brush in proportions 1:1. Can be rolled up. Easy to clean. High dynamic impact resistance through the use of arch shaped profiles. Traps dirt in 27mm deep spaces between the profiles and absorbs 80% of the moisture thanks to the arched surface of the felt. High cleaning effect ensured by the use of the brush. Usable only for internal areas of the entrance. Suitable for entrances with a very high pedestrian traffic. Possibility of shaping the entrances in irregular shapes. Acoustic backing underneath the mat is standard. Possibility to use non-flammable felt, fire class cfl s1.

Profile height: 20 mm, profile width 50 mm, overall height of the mat 27mm. Possibility of applying a higher brush what will result in better cleaning and 29 mm overall height of the mat.



Technical data <https://www.bela.com.pl/eng/24-bela-premium-aluminium-mat-with-felt-and-linear-brush-1-1,height-27-29mm.pdf>

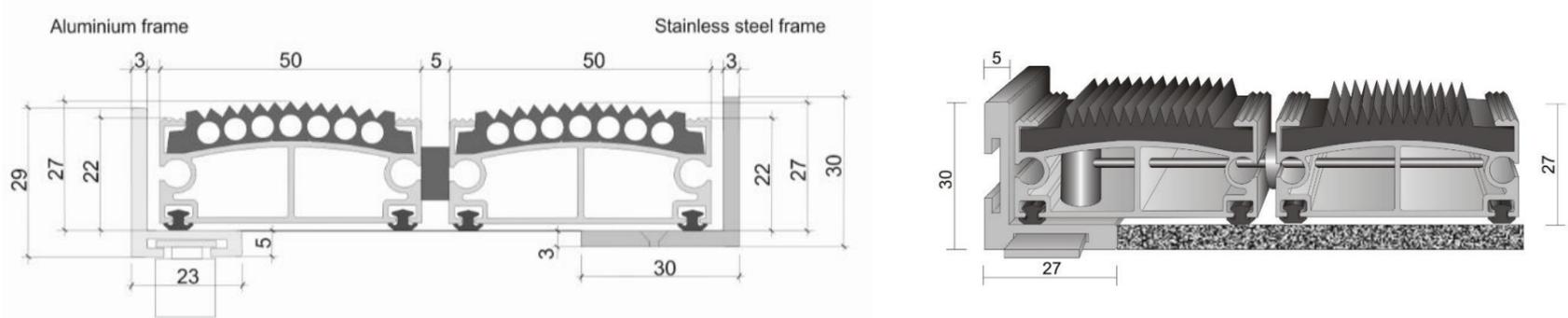
Declaration of performance <https://www.bela.com.pl/eng/11-2020-premium-with-felt-and-linear-brush-27-29mm.pdf>

Aluminium cleaning mat with rubber



Aluminium profiles for mats of various irregular shapes joined with a vinyl connector or stainless steel line that allow the adaptation to different planes. High dynamic impact resistance through the use of arch shaped profiles. Wide aluminium profiles are supplemented with a rubber insert in black or grey. Mats of this type perfectly suit revolving doors and other complex surfaces. Can be rolled up. Easy to clean. Active rubber profile notched perpendicularly and parallel to the length. Recommended for indoor use and for vestibules. Recommended for entrances with medium and high pedestrian traffic. Acoustic backing underneath the mat is standard.

Profile height: 20 mm, profile width 50 mm, overall height of the mat 27 mm.



Technical data <https://www.bela.com.pl/eng/25-bela-premium-aluminium-mat-with-rubber,-height-27-mm.pdf>

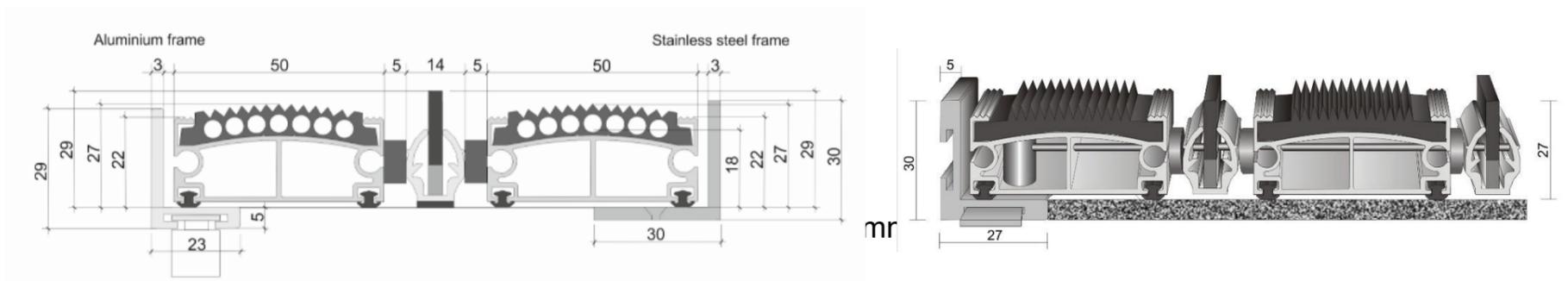
Declaration of performance <https://www.bela.com.pl/eng/09-2020-premium-with-rubber-27mm.pdf>

Aluminium cleaning mat with rubber and linear brush



Aluminium profiles with vinyl insert and linear brush in proportions 1:1. High dynamic impact resistance through the use of arch shaped profiles. Can be rolled up. Easy to clean. Traps dirt from the footwear through 27 mm deep spaces between the profiles. High cleaning effect through the use of profiles with a linear brush. Perfectly removes sand and loose dirt. Recommended for indoor use and for vestibules. Suitable for entrances with normal to high pedestrian traffic. Acoustic backing underneath the mat is standard.

Profile height: 20 mm, profile width 50 mm, overall height of the mat 27 mm. Possibility of applying a higher brush what will result in better cleaning and 29 mm overall height of the mat.



Technical data <https://www.bela.com.pl/eng/26-bela--premium-aluminium-mat-with-rubber-and-linear-brush-1-1,-height-27-29-mm.pdf>

Declaration of performance <https://www.bela.com.pl/eng/12-2020-premium-with-rubber-and-linear-brush-27-29mm.pdf>

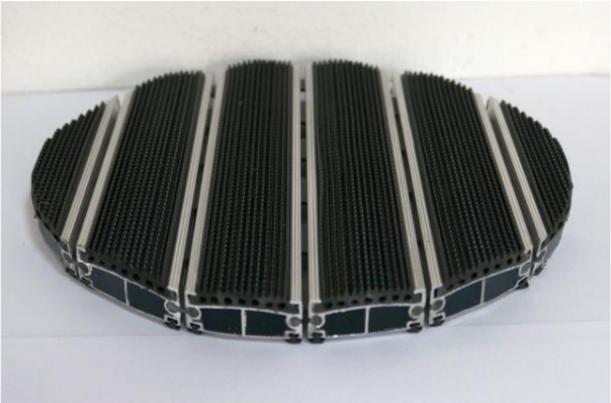
CIRCULAR MATS OR ANY IRREGULAR SHAPE



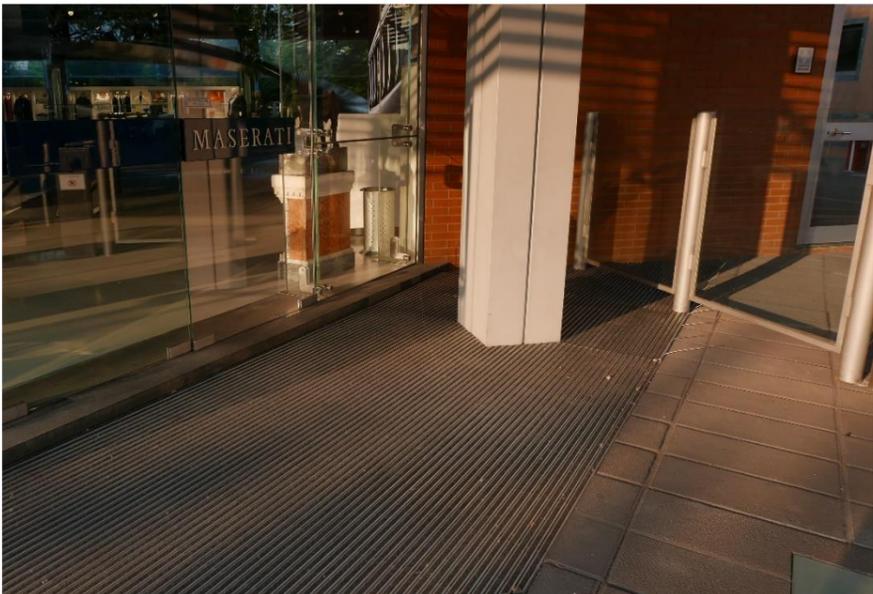
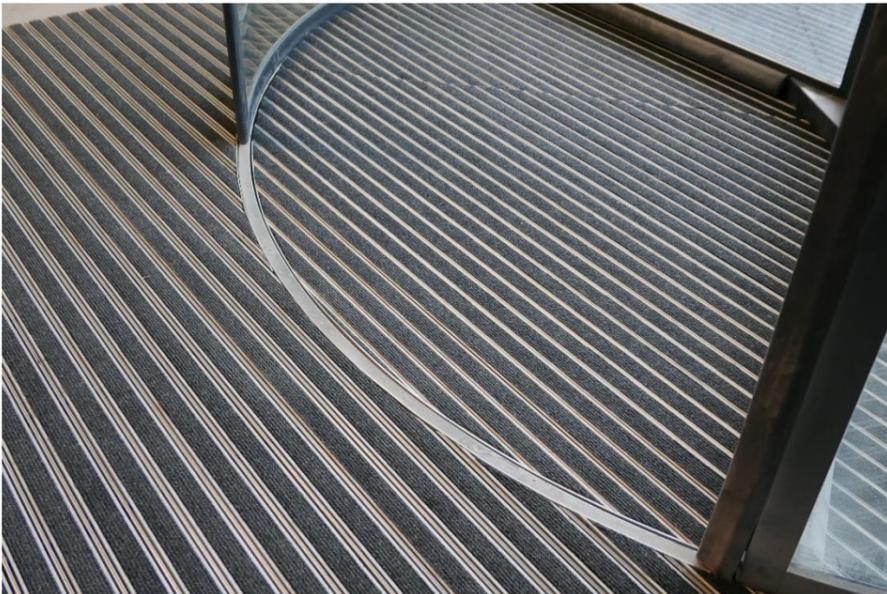
Robust



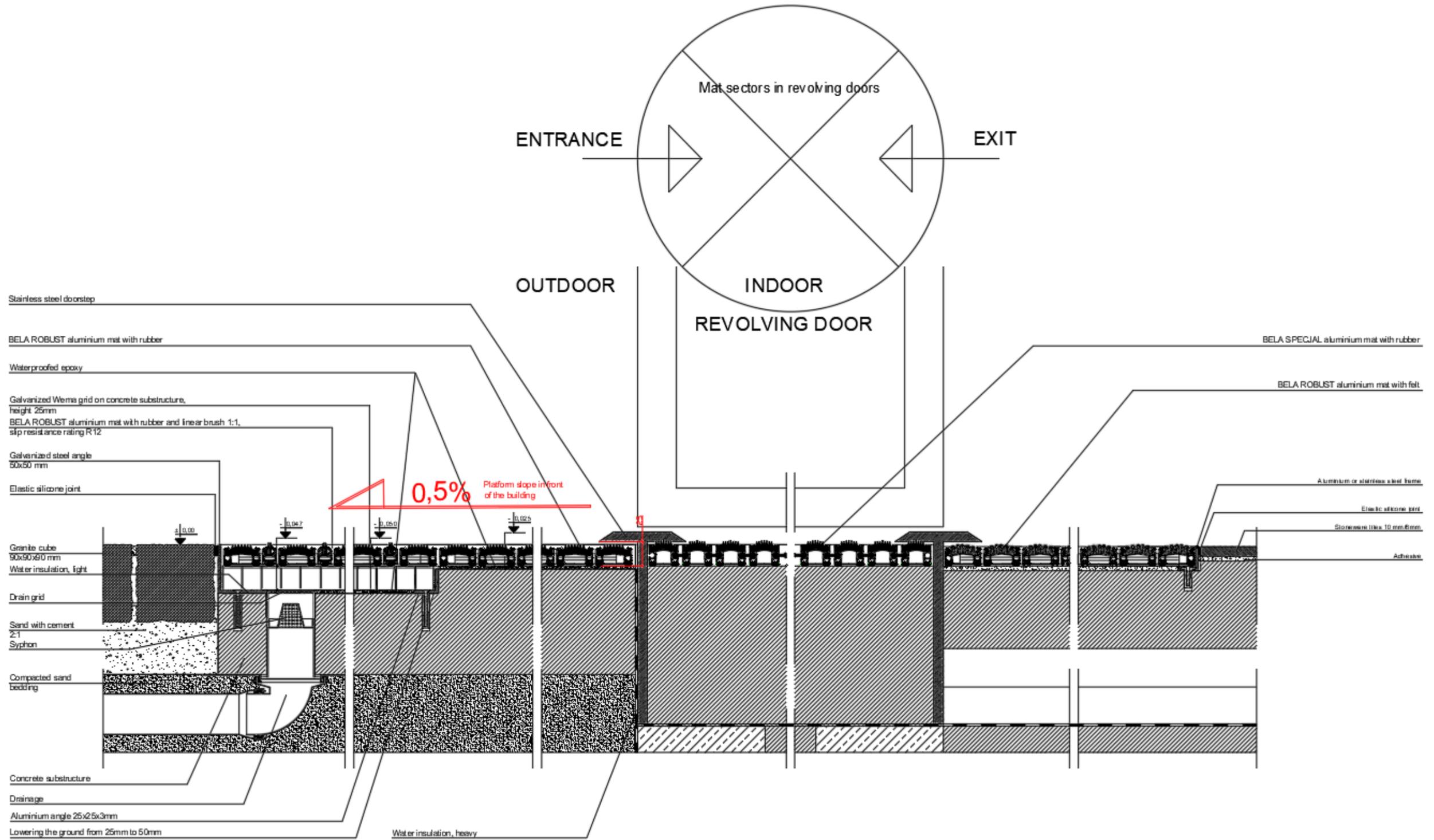
Special



Premium

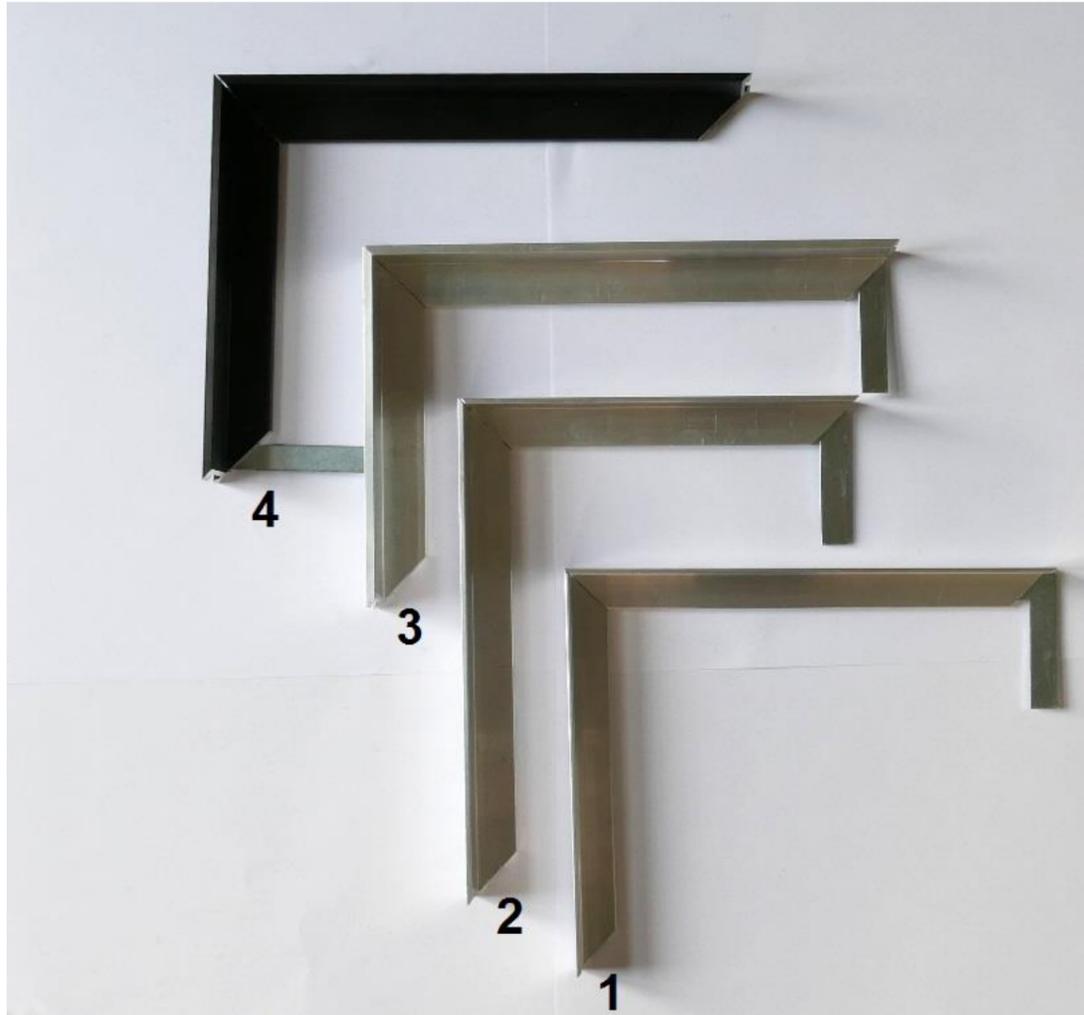


Entrance with revolving doors



FRAMES

Aluminium frames with removable connectors

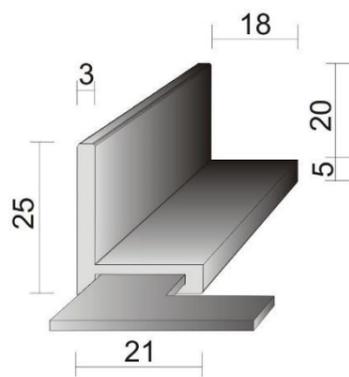


Frame dimensions:

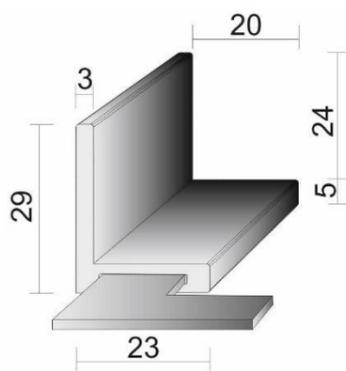
1. 25mm x 21mm x 5/3 mm
2. 29mm x 23mm x 5/3 mm
3. 30mm x 27mm x 5 mm
4. 30mm x 27mm x 5 mm

Frames equipped with angle plates, which allow a quick connection at 90°, and an anchor for embedding the frames directly in a concrete base. Frames can also be ordered with openings for fastening screws.

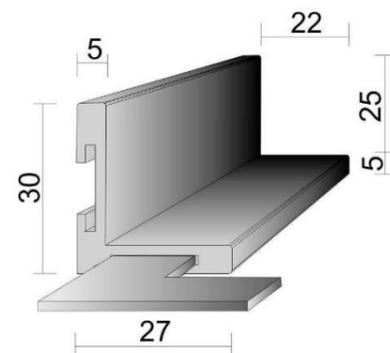
1. Aluminium frame for mats, reinforced, with an overall height of 20/22 mm
2. Aluminium frame for mats, reinforced, with an overall height of 22/24 mm
3. Aluminium frames, reinforced, for mats with very high pedestrian traffic, with overall height of 22 mm, 24 mm, 27 mm, depending on the mounting method.
4. For PREMIUM mat, frames are also available in black.



25x21x3/5mm



29x23x3/5mm



30x27x5mm

Aluminium frames with screw connectors

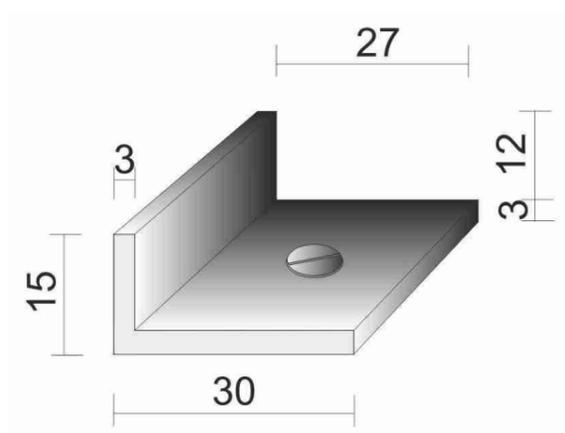


Frame dimensions:

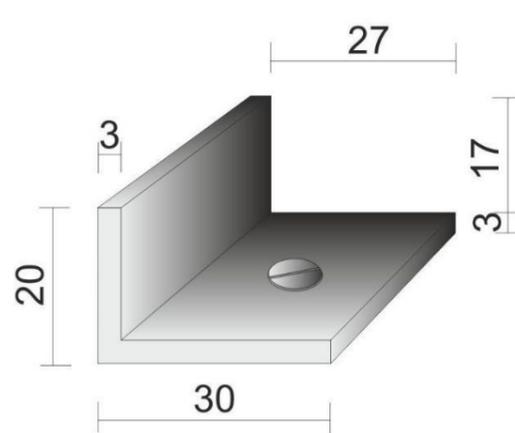
- 5. 30mm x 15mm x 3mm
- 6. 30mm x 20mm x 3mm

The frame is mounted in a traditional way by screws. When mounting the frame, one should make sure there is no floor heating in the entrance area.

- 5. Aluminium frame for mats, with an overall height of 12 mm, 15 mm
- 6. Aluminium frame for mats, with an overall height of 17 mm, 20 mm

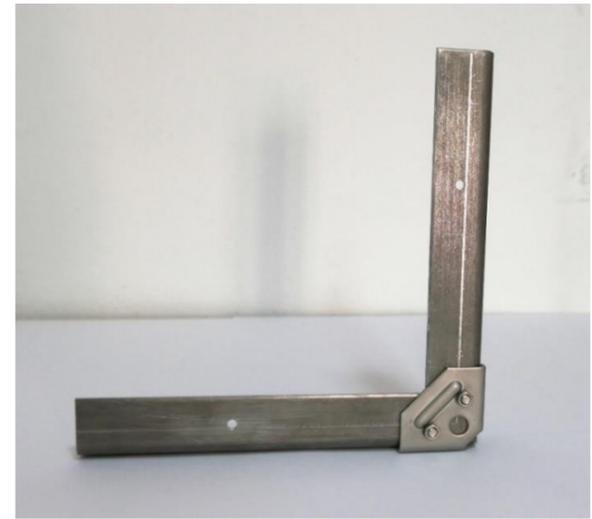
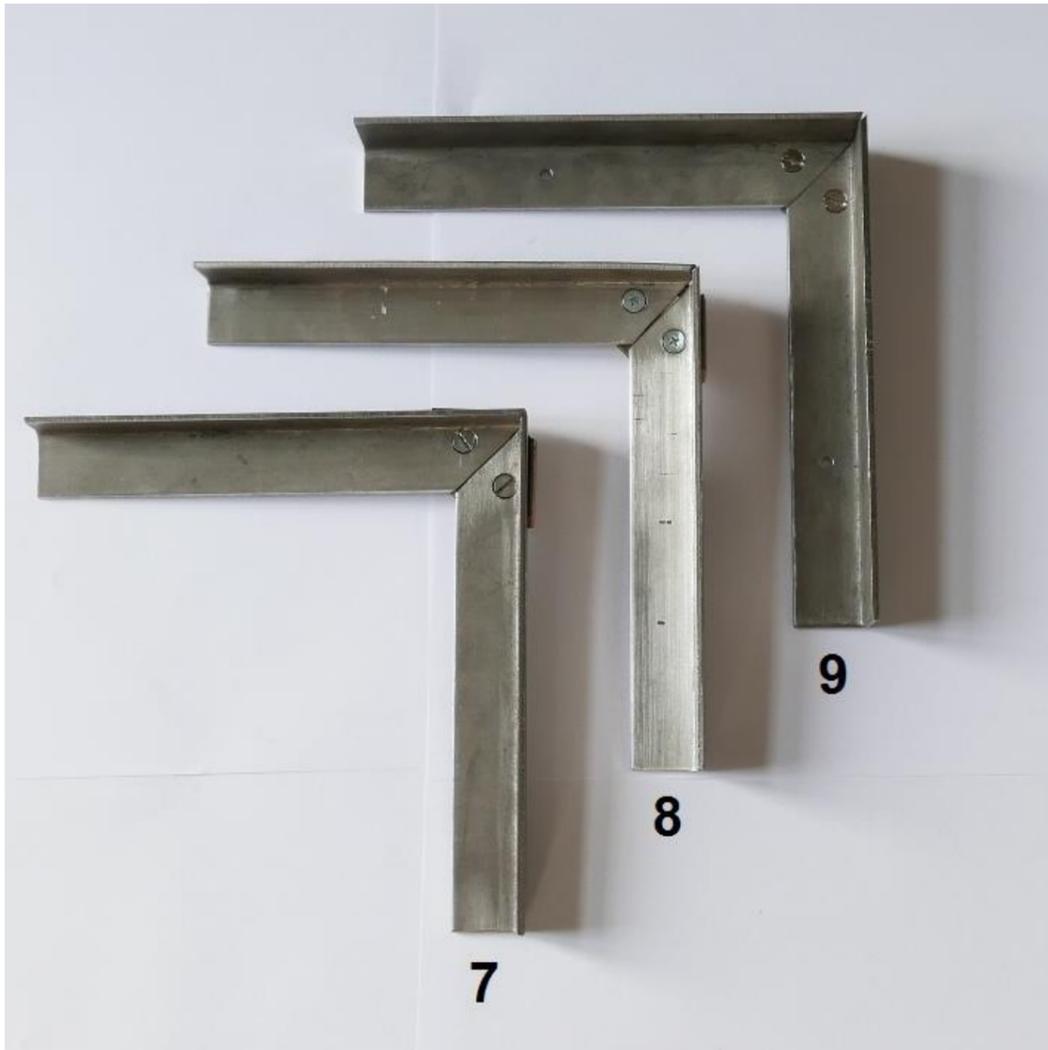


15x30x3 mm



20x30x3 mm

Stainless steel frames (chromium nickel) with screw connectors

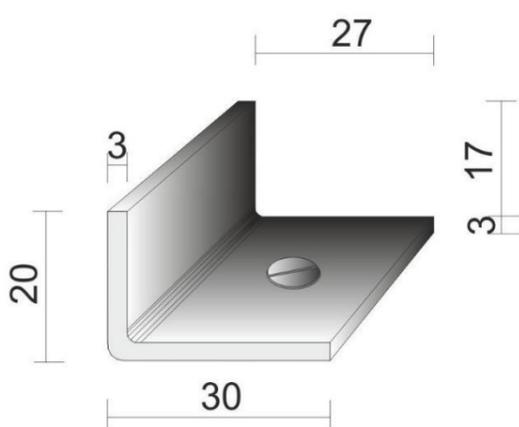


Frame dimensions:

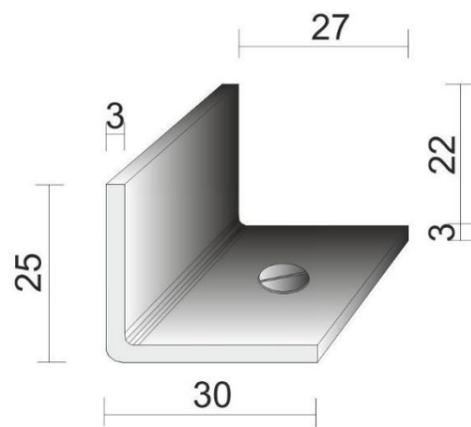
- 7. 20mm x 30mm x 3 mm
- 8. 25mm x 30mm x 3mm
- 9. 30 mm x 30mm x 3 mm

Frames mounted with concrete mounting bolts. Divided into 4 parts, connected on site.

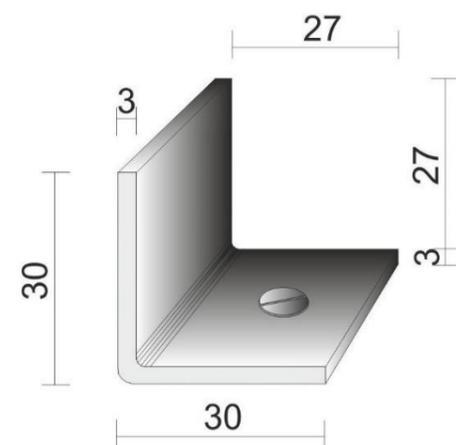
- 7. Aluminium frame for mats, with an overall height of 17 mm, 20 mm
- 8. Aluminium frame for mats, with an overall height of 22 mm, 24 mm
- 9. Aluminium frame for mats, with an overall height of 24 mm, 27 mm



20x30x3 mm

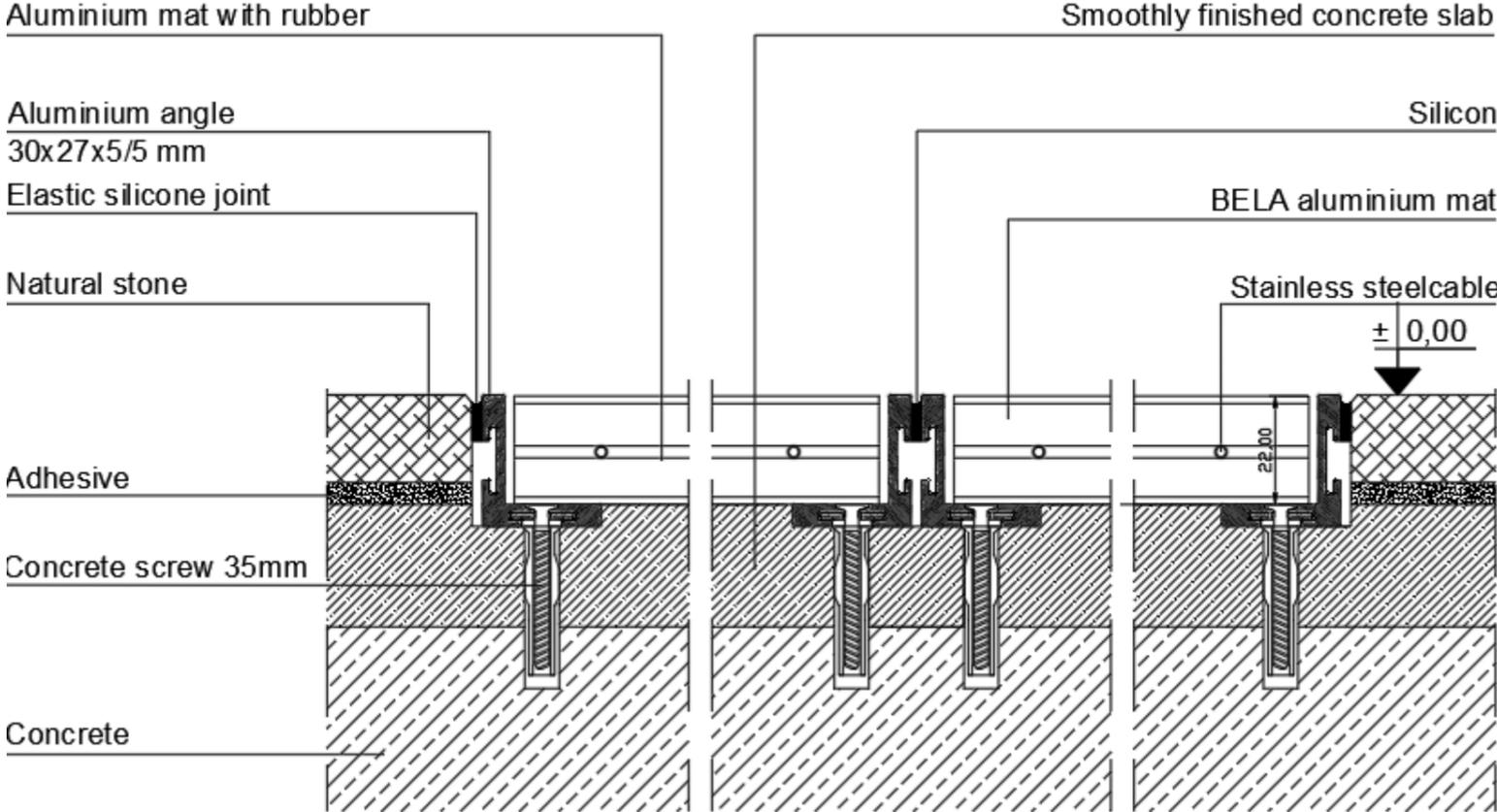


25x30x3 mm



30x30x3 mm

CLEANING MATS CONNECTION USING ALUMINUM FRAMES

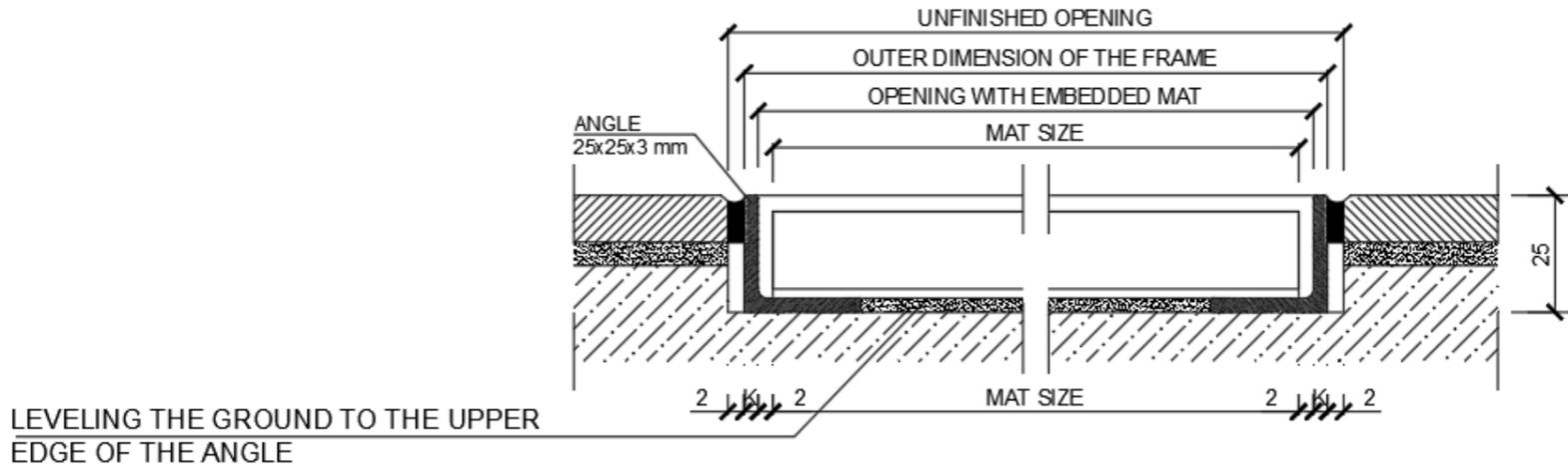


<https://www.bela.com.pl/eng/joining-mats-using-aluminum-frames.dwg>



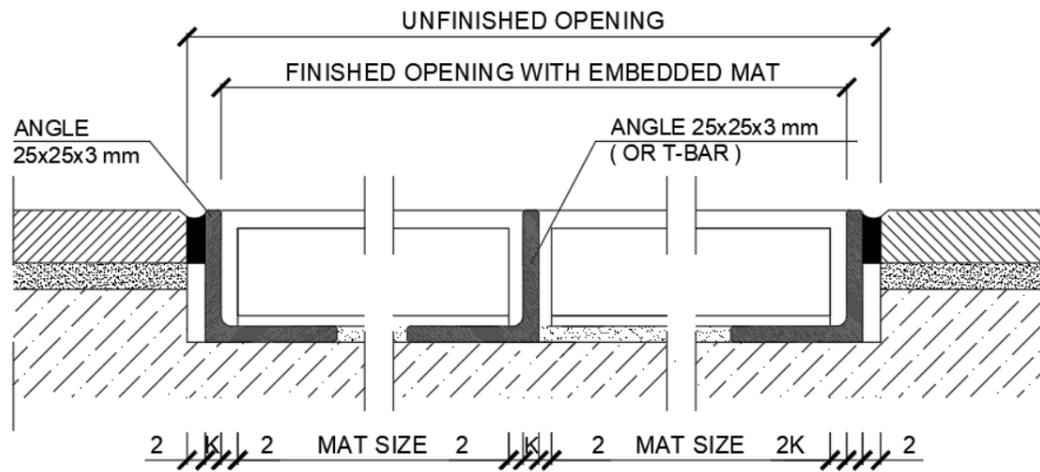
MAT DIMENSIONING

SINGLE MAT DIMENSIONING



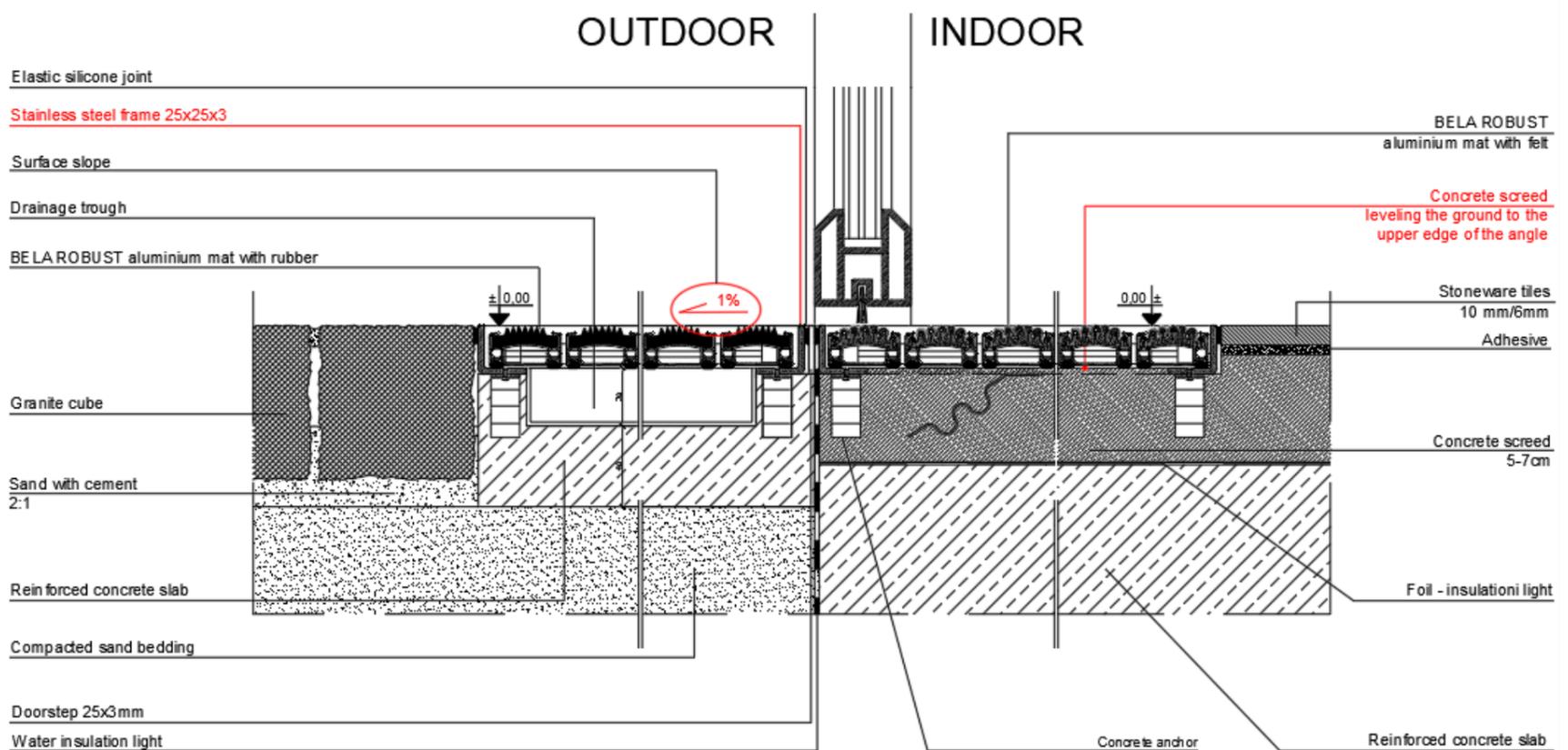
<https://www.bela.com.pl/eng/1-mat-dimensioning-scheme-single-mat-dimensioning.dwg>

PARALLEL CONNECTION OF TWO MATS



<https://www.bela.com.pl/eng/2-mat-dimensioning-scheme-parallel-connection-of-two-mat.dwg>

DOORSTEP SOLUTION – FRAME INSTALLATION IN WET CONCRETE



<https://www.bela.com.pl/eng/doorstep-solution-frame-installation-in-wet-concrete.dwg>