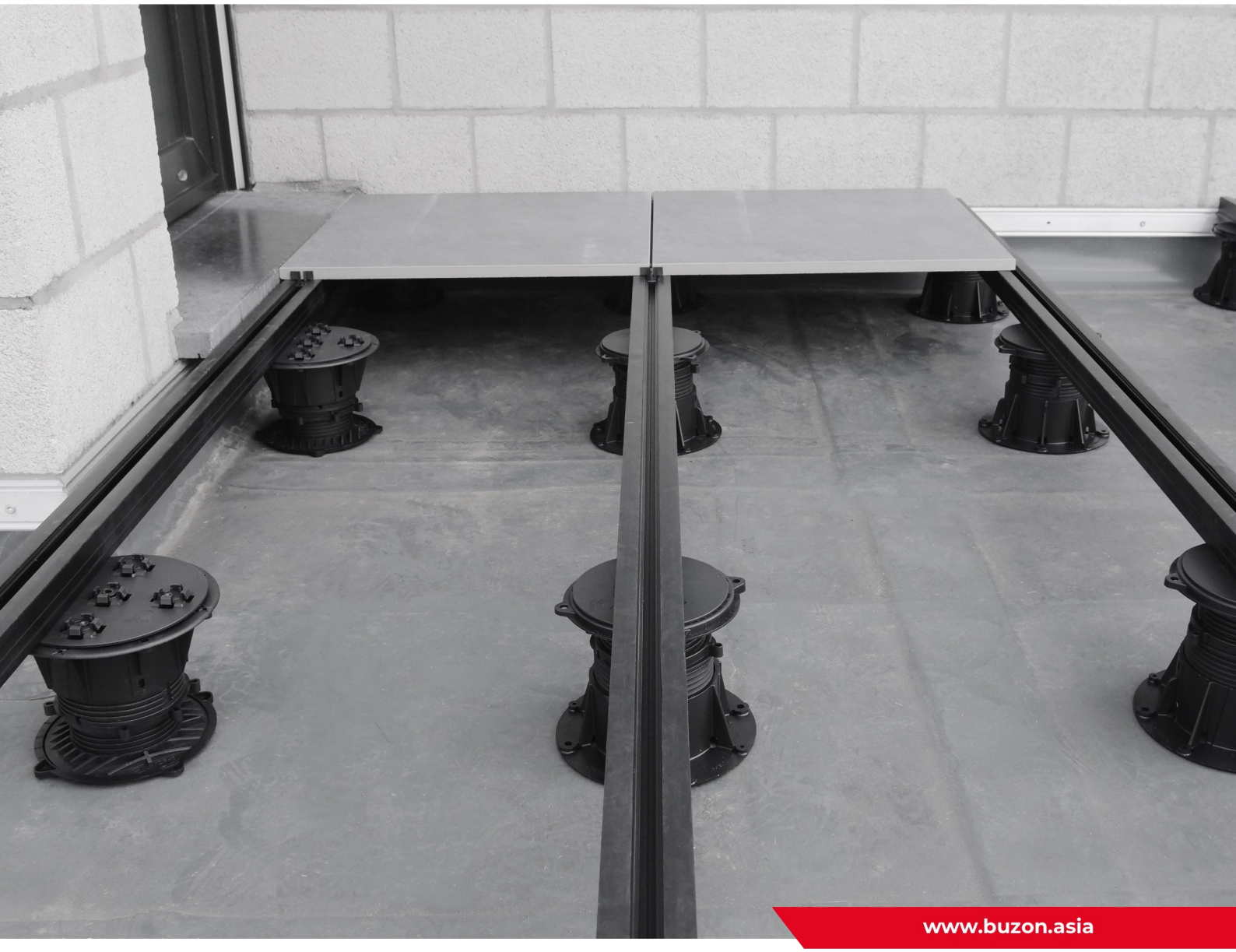


www.buzon.asia

Buzon®

U-BRS system

DPH

A NEW
WAY TO RAISE
OUTDOORS TERRACES

Buzon®

- SIMPLE AND EASY INSTALLATION
- GUARANTEES GREAT SLAB STABILITY
- FACILITATES THE ARRANGEMENT OF OUTDOOR SPACES

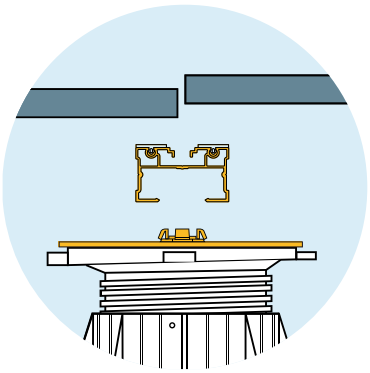

300kPa
Styrodur® 3035 CS

Why choose the U-BRS system?

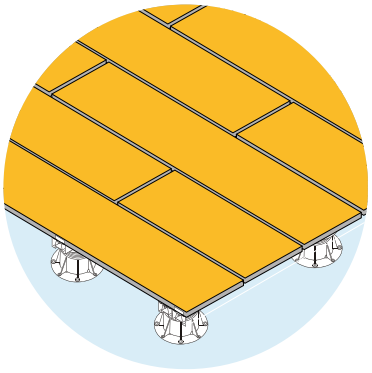
The **U-BRS** system and its aluminium joists allow the installation of 20 mm ceramic pavers of all sizes. With a thickness of 24 or 38 mm, the joists guarantee a superior resistance to the applied loads and only require a gap of 80 cm (maximum) between each supporting pedestal for the 38 mm joists and a spacing of 60 cm (maximum) for 24 mm joists.

SEVERAL ADVANTAGES

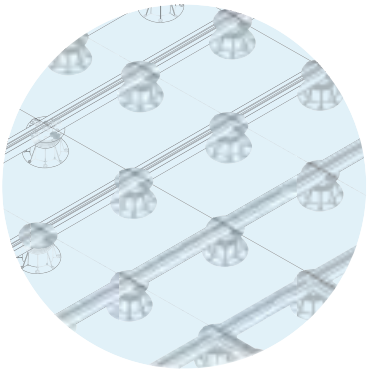
Time savings



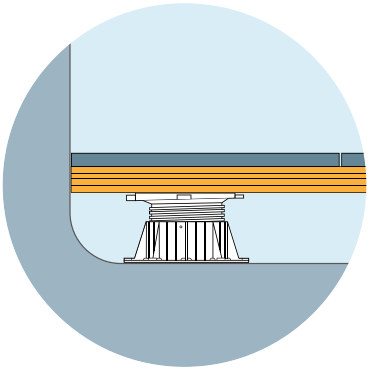
Simplifies installation



Possibility of installing irregular sizes of pavers/boards (e.g. large format 120 x 120 cm or small width 20 x 120, 30 x 120 cm)



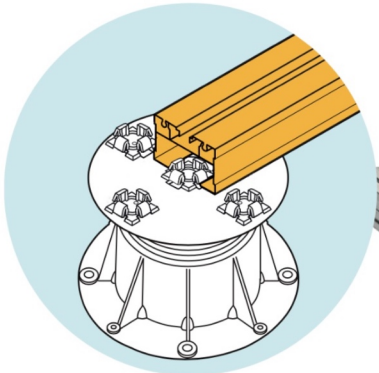
High stability of pathway surfaces

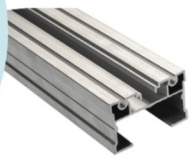


Stability of cantilevers

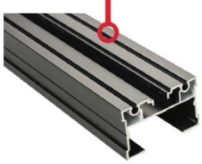
U-BRS revolutonises the installation of terraces

The Buzon U-BRS system and its aluminium joists faclitate the laying of calibrated 20 mm porcelain tiles, concrete or natural stone pavers and timber decking.
With a thickness of 24 or 38 mm, the joists guarantee a superior resistance to the applied loads and only require a space of 80 cm (maximum) between each supporting pedestal for the 38 mm joists (for commercial/public projects), and a spacing of 60 cm (maximum) for 24 mm joists (for private/residential projects).





U-BRS-M



U-BRS-B

U-BRS: Aluminium joists
(2400 x 60 mm) 24 or 38 mm.

The joists are available with anodising (U-BRS-B) and without anodising (U-BRS-M)

Anodising provides:

- *Surface resistance (to scratches, scuffing, etc.)*
- *Resistance to erosion*
- *Resistance to atmospheric pollutants*
- *Resistance to corrosion (corrosive elements are chlorine, wet concrete, sea water, sand, and salt)*

Joists with anodisation are therefore recommended for pool sites or on coasts.

U-FIX-PLATE

Supports for the **U-FIX-PLATE** joist secure the joist to the top of the pedestal by simply pressing. Once the U-FIX-PLATE is installed on the pedestal, just press the joist onto the pedestal and the profiled base of the joist fixes automatically while allowing the pedestal to slide under the joist for optimal positioning.

NEW

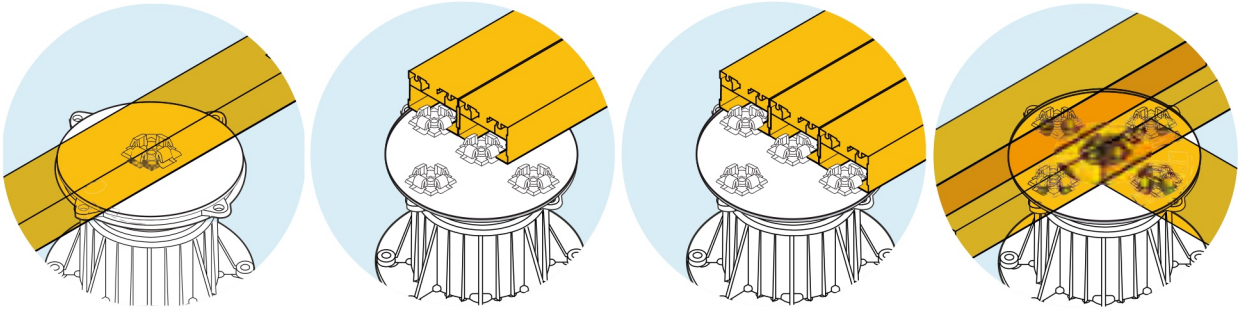
U-FIX-PLATE 1

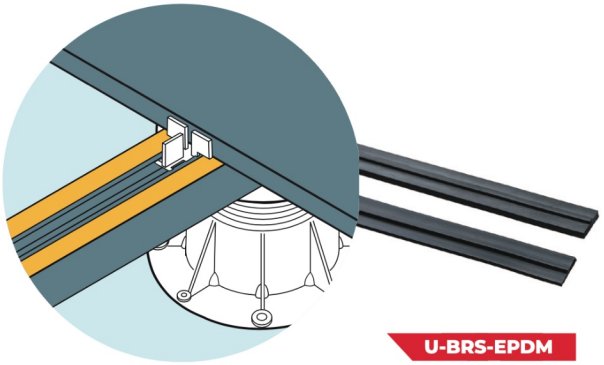
NEW

U-FIX-PLATE 5

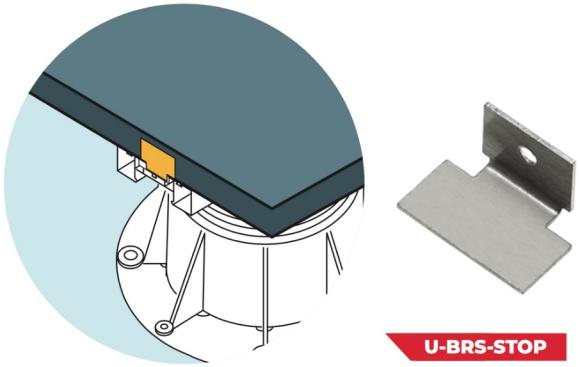
INNOVATIVE

If necessary, it is possible to double or triple the number of joists, or install cross members.

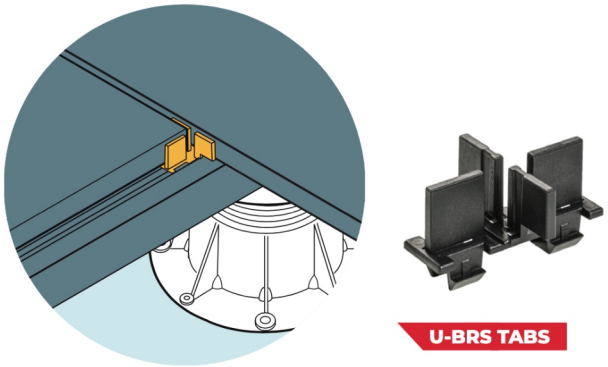




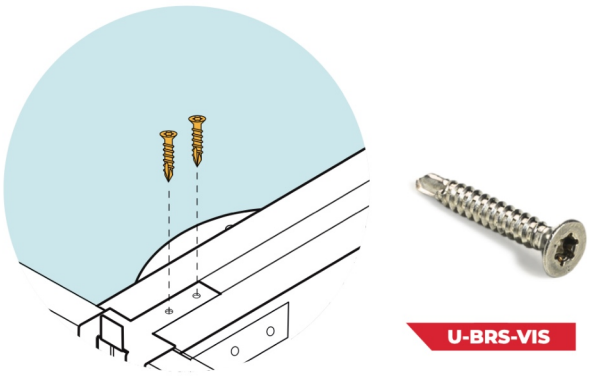
U-BRS-EPDM-2 mm: EPDM protection
Attached to the U-BRS joists, it stabilises the paver and provides additional acoustic comfort.



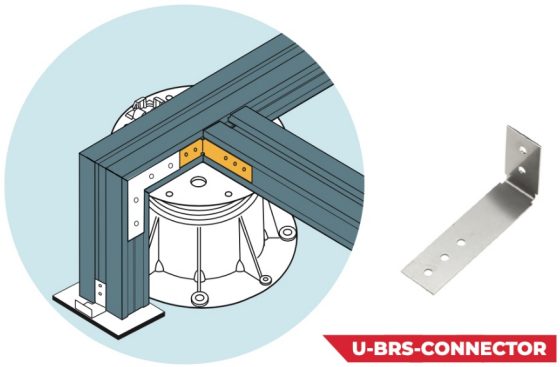
U-BRS-STOP: It enables stopping the pavers at the edge of the terrace.



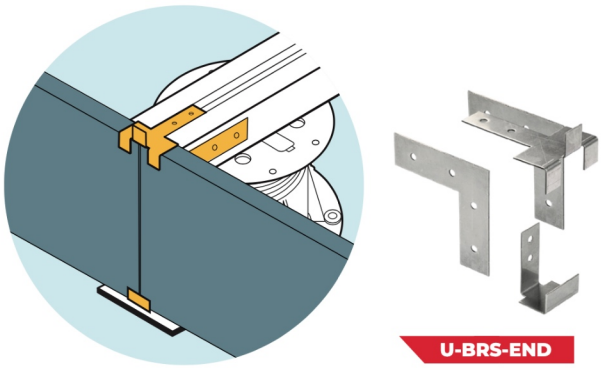
U-BRS-TABS: Spacer tab that regulates the spacing between the pavers, ensures alignment, and allows the rapid drainage of excess water. The spacer tabs are available in different thicknesses: 2, 3 and 4.5 mm.



U-BRS-VIS: Fastening screws for joists (3.9 x 25 mm)
U-BRS-VIS also enables U-Wall and U-Edge accessories to be fastened to the heads of pedestals



U-BRS-CONNECTOR: Connector for securing two perpendicular joists.



U-BRS-END: Stainless steel finishing kit to facilitate peripheral terrace cladding. Two blades with claws encircle the 20 mm plinth.

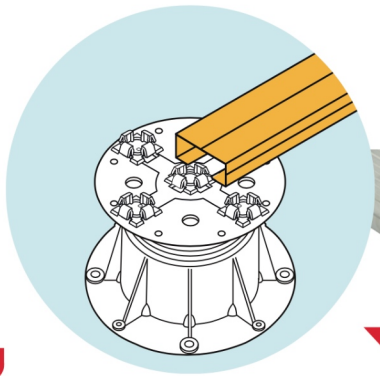
U-BRS JOISTS

U-BRS-WOOD System

The **U-BRS-WOOD** system system will facilitate the realisation of your wooden terrace with aluminium joists. Our system is compatible with most wooden boards and fastenings.

The spacing system between the wooden boards depends on the boards chosen.

The U-BRS END, U-BRS TABS, U-BRS STOP and U-BRS CONNECTOR are not compatible with the U-BRS WOOD system.

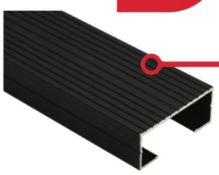


1

NEW

U-BRS-WOOD-M
24 mm

NEW



U-BRS-WOOD-B
24 mm

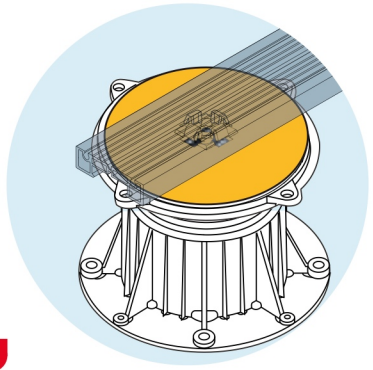
Anodising provides:

- *Surface resistance (to scratches, scuffing, etc.)*
- *Resistance to erosion*
- *Resistance to atmospheric pollutants*
- *Resistance to corrosion (corrosive elements are chlorine, wet concrete, sea water, sand, and salt)*

Black (U-BRS WOOD-B) joists are therefore recommended for pool sites or on coasts.

U-BRS-WOOD-B: Aluminium joists (2400 x 60 mm)

Joists with anodising are available **(U-BRS WOOD-B)** and without anodising **(U-BRS WOOD-M)**



2

NEW

U-FIX-PLATE 5/1

U-FIX-PLATE: Joist support

U-BRS JOISTS

WOODEN BOARDS AND FASTENINGS:
Not supplied by Buzon®!

Our aluminium joist system is compatible with many different profiles of timber / composite decking and fastenings. We advise you to request more information from your supplier.

Technical information and consumption of pedestals

U-BRS / PEDESTAL SYSTEM

AVERAGE QUANTITY OF JOISTS, PEDESTALS AND ACCESSORIES (joist centre distance 60 cm) B

Dimensions and surface area of the laying plan	10 m²	50 m²
Length	5 m	10 m
Width	2 m	5 m
Consumption:	**pcs/m²**	**pcs /m²**
U-BRS-24 / U-BRS-38	0.8	0.7
U-BRS EPDM 2 mm	1.6	1.4
U-BRS TABS:		
20×120 cm pavers	9.4	9.1
30×120 cm pavers	6.2	6.0
40×120 cm pavers	4.6	4.5
60×120 cm pavers	3.6	3.3
120×120 cm pavers	0.6	0.4
U-BRS-STOP / U-BRS-VIS	1.2	0.8
Pedestals (centre distance 60 cm) A	4.00	3.4
Pedestals (centre distance 80 cm) A	3.2	2.8

AVERAGE QUANTITY OF JOISTS, PEDESTALS AND ACCESSORIES (joist centre distance 40 cm) B

Dimensions and surface area of the laying plan	10 m²	50 m²
Length	5 m	10 m
Width	2 m	5 m
Consumption:	**pcs/m²**	**pcs/m²**
U-BRS-24 / U-BRS-38	1.2	1.1
U-BRS EPDM 2 mm	2.4	2.2
U-BRS TABS		
20×120 cm pavers	11.3	11.0
30×120 cm pavers	7.5	7.2
40×120 cm pavers	5.5	5.4
80×80 cm pavers	2.4	1.9
60×120 cm pavers	4.3	4.0
U-BRS-STOP / U-BRS-VIS	1.2	0.8
Pedestals (centre distance 60 cm) A	6.0	4.9
Pedestals (centre distance 80 cm) A	4.8	4.1

AVERAGE QUANTITY OF JOISTS, PEDESTALS AND ACCESSORIES (joist centre distance 45 cm) B

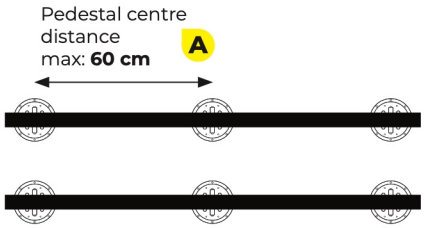
Dimensions and surface area of the laying plan	10 m²	50 m²
Length	5 m	10 m
Width	2 m	5 m
Consumption:	**pcs/m²**	**pcs/m²**
U-BRS-24 / U-BRS-38	1.2	1
U-BRS EPDM 2 mm	2.4	2
U-BRS TABS:		
45×90 cm pavers	5.2	4.8
90×90 cm pavers	1.2	1.0
U-BRS-STOP / U-BRS-VIS	1.3	1.0
Pedestals (centre distance 60 cm) A	5.5	4.6
Pedestals (centre distance 80 cm) A	4.4	3.7

AVERAGE QUANTITY OF JOISTS, PEDESTALS AND ACCESSORIES (joist centre distance 50 cm) B

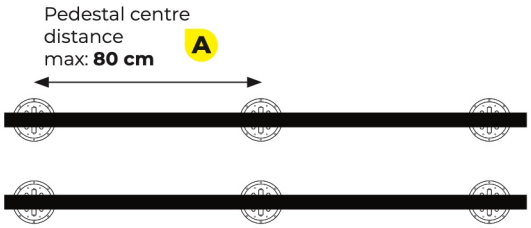
Dimensions and surface area of the laying plan	10 m²	50 m²
Length	5 m	10 m
Width	2 m	5 m
Consumption:	**pcs/m²**	**pcs/m²**
U-BRS-24 / U-BRS-38	1	0.9
U-BRS EPDM 2 mm	2	1.8
U-BRS TABS:		
50×50 cm pavers	5.6	4.8
50×100 cm pavers	2.6	2.4
100×100 cm pavers	1.0	0.8
U-BRS-STOP / U-BRS-VIS	1.0	0.8
Pedestals (centre distance 60 cm) A	5.0	4.2
Pedestals (centre distance 80 cm) A	4.0	3.3

Layout Examples

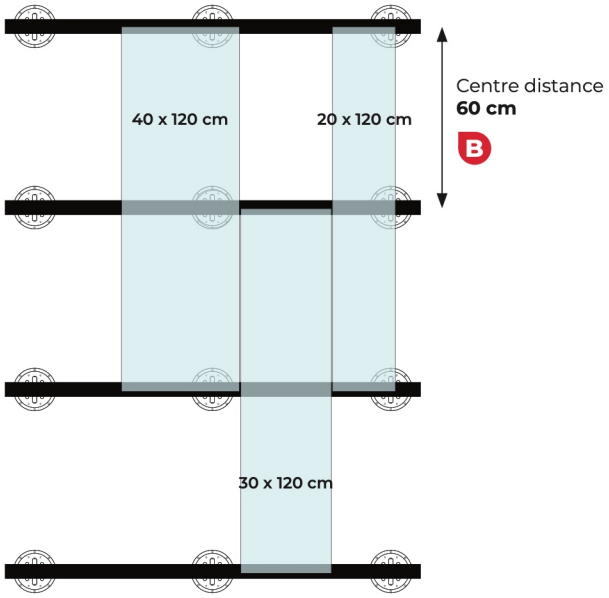
POSITION OF THE PEDESTALS UNDER U-BRS-24 mm

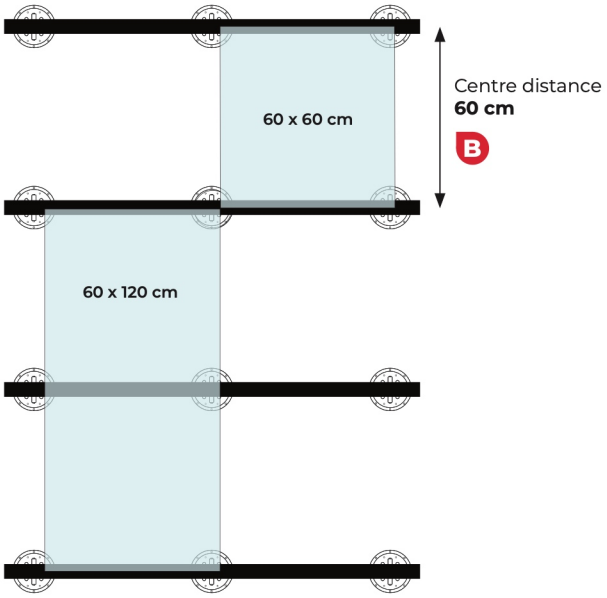


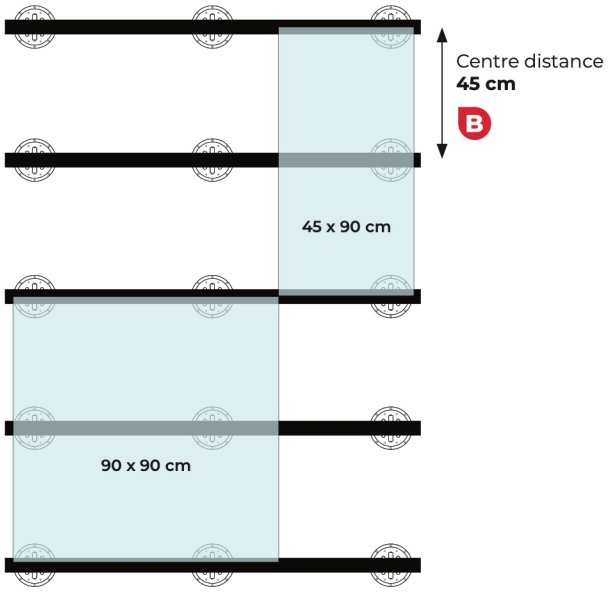
POSITION OF THE PEDESTALS UNDER U-BRS-38 mm

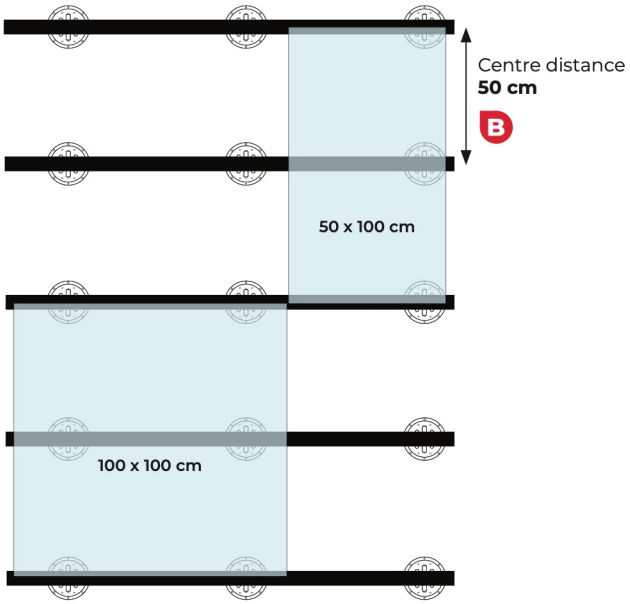


POSITION OF THE U-BRS JOISTS









Note :

- Buzon U-BRS is suited for calibrated porcelain tiles, concrete and natural stone pavers and timber decking.
- Buzon U-BRS, pedestals and accessories are designed to support external raised floors for pedestrian traffic only and are not designed to support or be subjected to moving and/or vibrating machinery & equipment, including maintenance, cleaning vehicles, automobiles and other similar equipment.
- For selection of decking materials (porcelain tiles, pavers, timber or composite decking, ...), user is to verify local requirements, quality, safety and strength of the decking material, and whether material selected is suited for support with rails only.

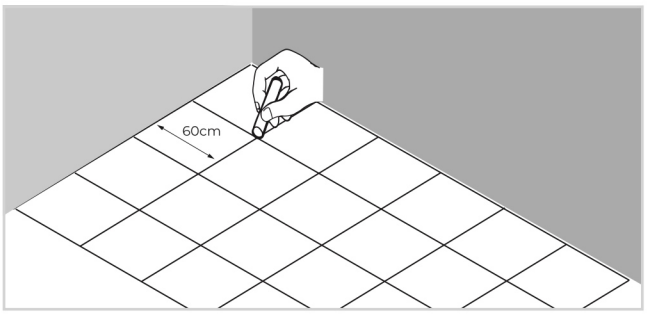
Laying tips

HOW TO START A TERRACE ON PEDESTALS?

1 PREPARE THE SUPPORT

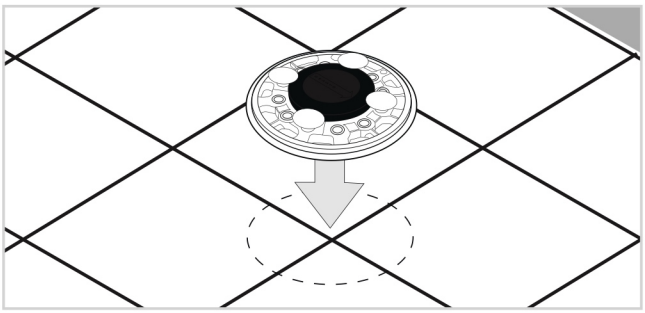
The laying on pedestals is performed on a stable support and clear of any bulky object.

2 LAYOUT

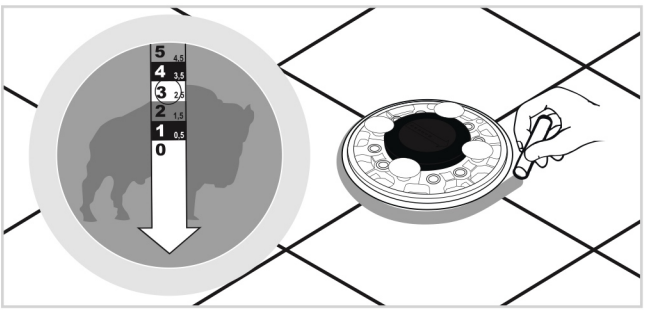


Square off the surface with chalk to facilitate the placement of the pedestals (e.g. pavers: 60 x 60 cm)

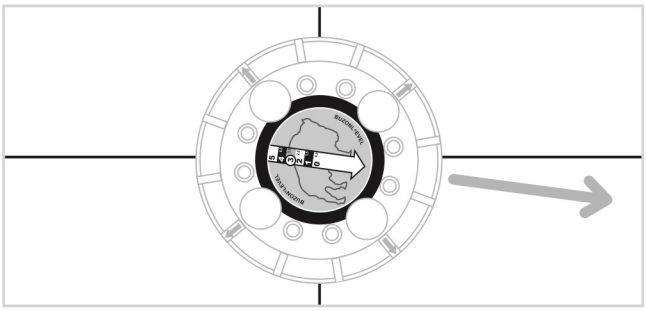
3 DETERMINE THE VALUE AND DIRECTION OF THE SUPPORT SLOPE *(if necessary)*



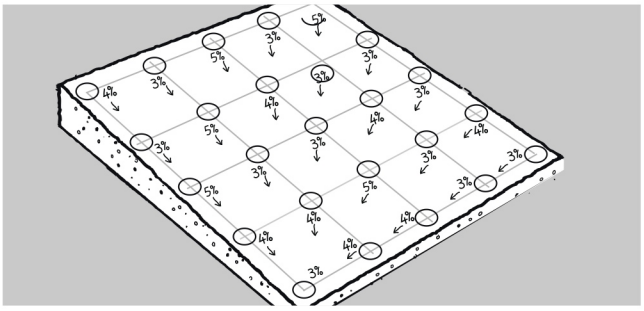
To determine the value and direction of the slope, position the spirit level at an intersection.



Orientate the spirit level to align the bubble with the number and draw a circle.

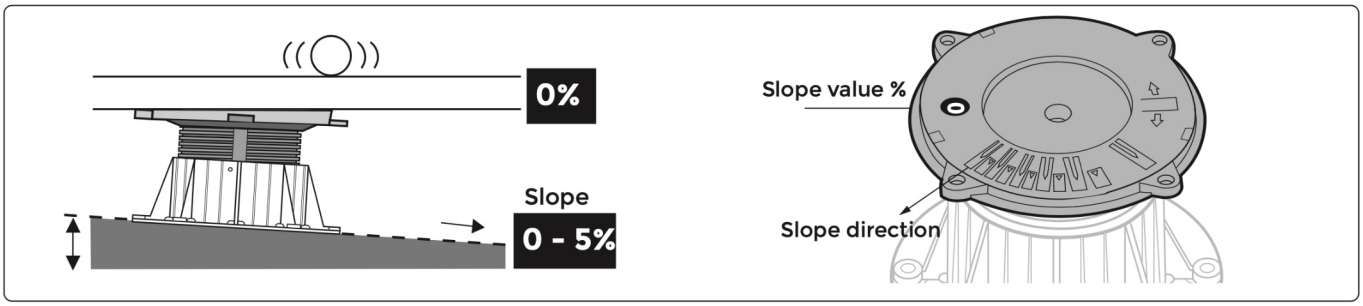


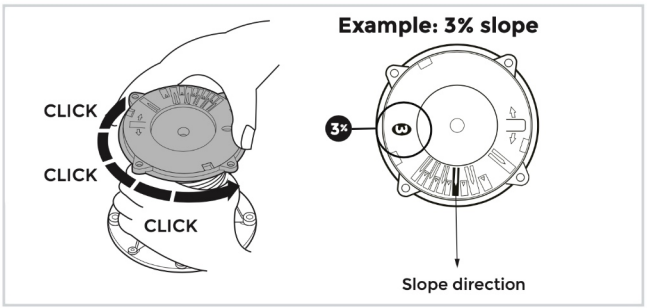
The bubble indicates the value of the slope in %. The alignment of the numbers indicates the direction of the slope to be straightened. Draw the arrow and the number on the ground. Example 3%.

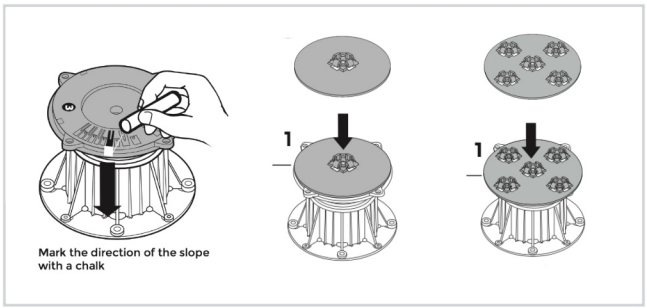


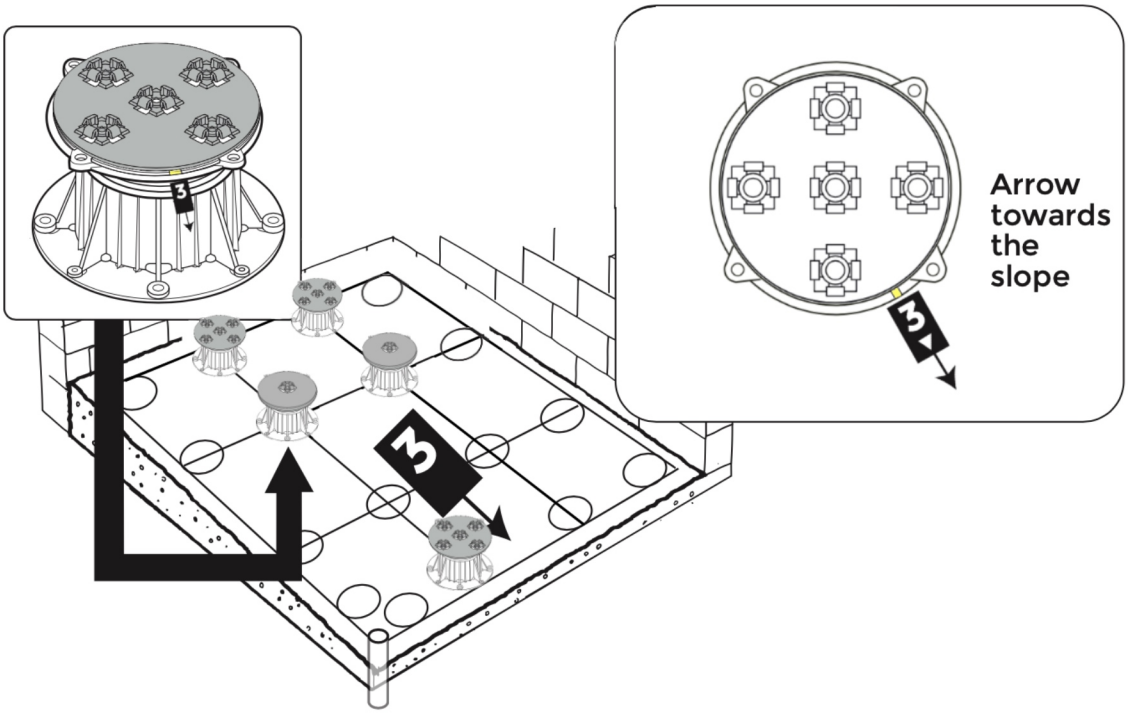
Repeat at each crossing. The percentage and direction may vary on each circle depending on soil unevenness.

4 SLOPE CORRECTOR ADJUSTMENT PH5



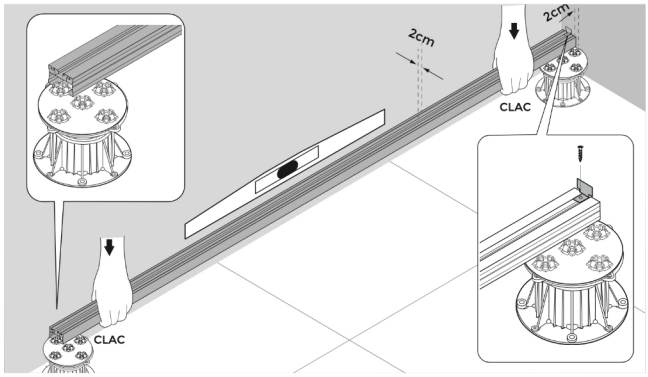


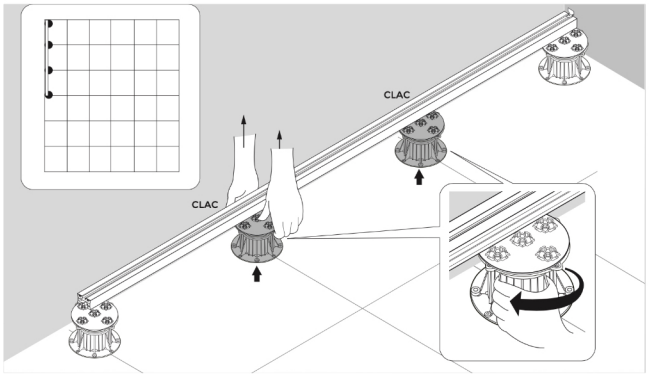


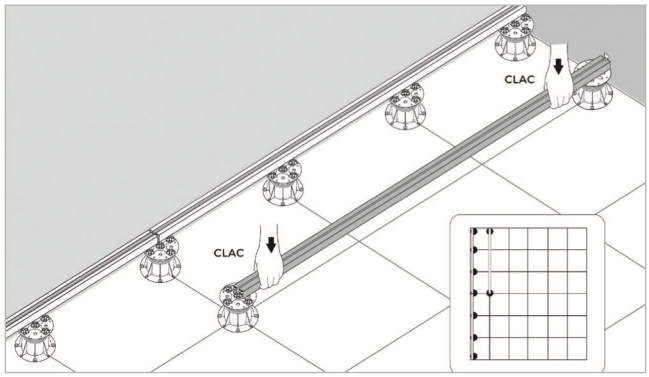


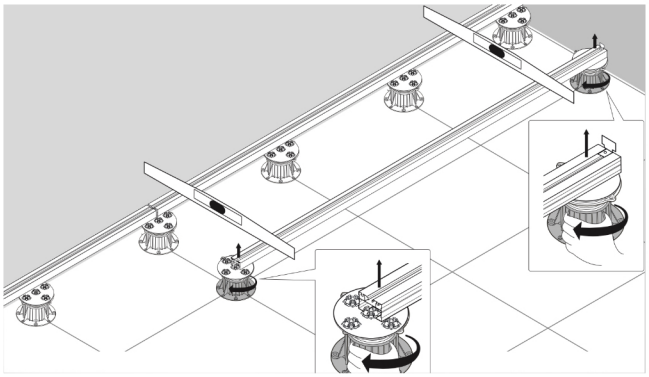
Laying tips

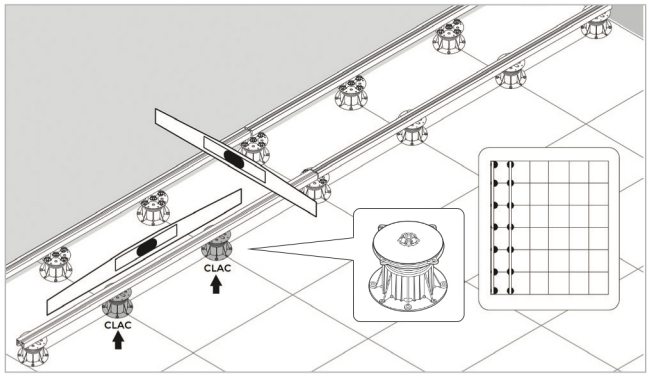
STARTING A TERRACE WITH THE U-BRS JOIST SYSTEM

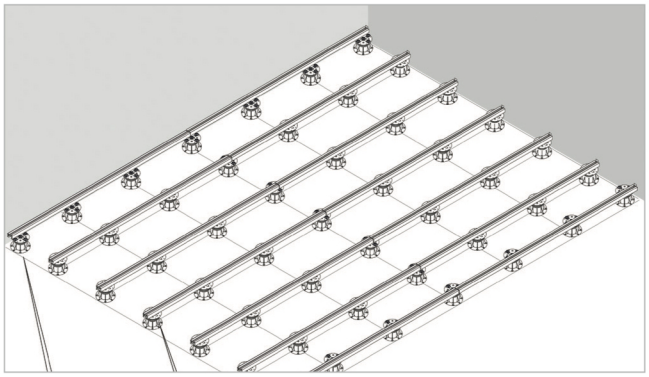


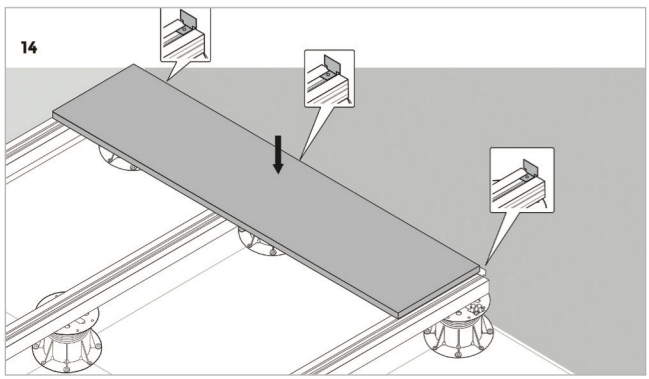


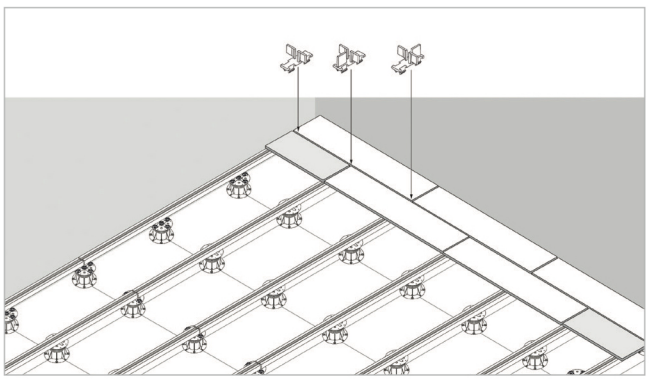






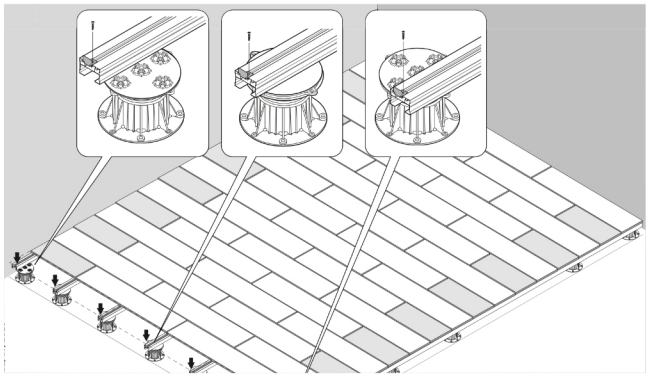


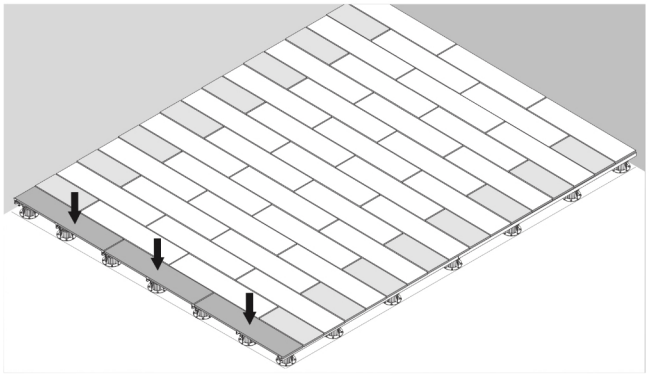




Laying tips

STARTING A TERRACE WITH THE U-BRS JOIST SYSTEM





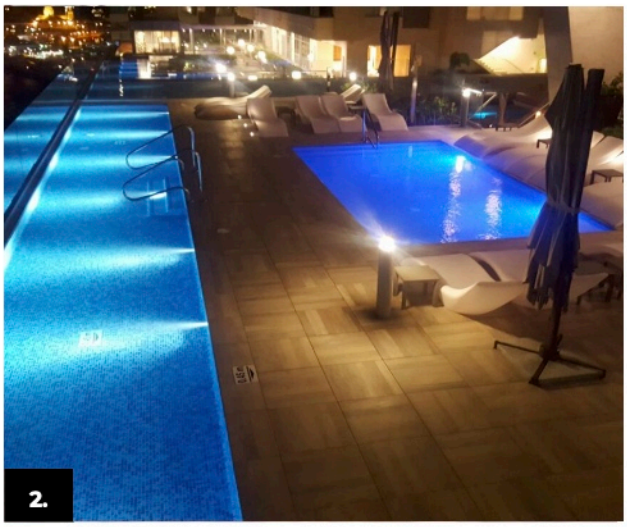
1. Palace Hotel Kempinski, Slovenia

2. Grand Hyatt, Colombia

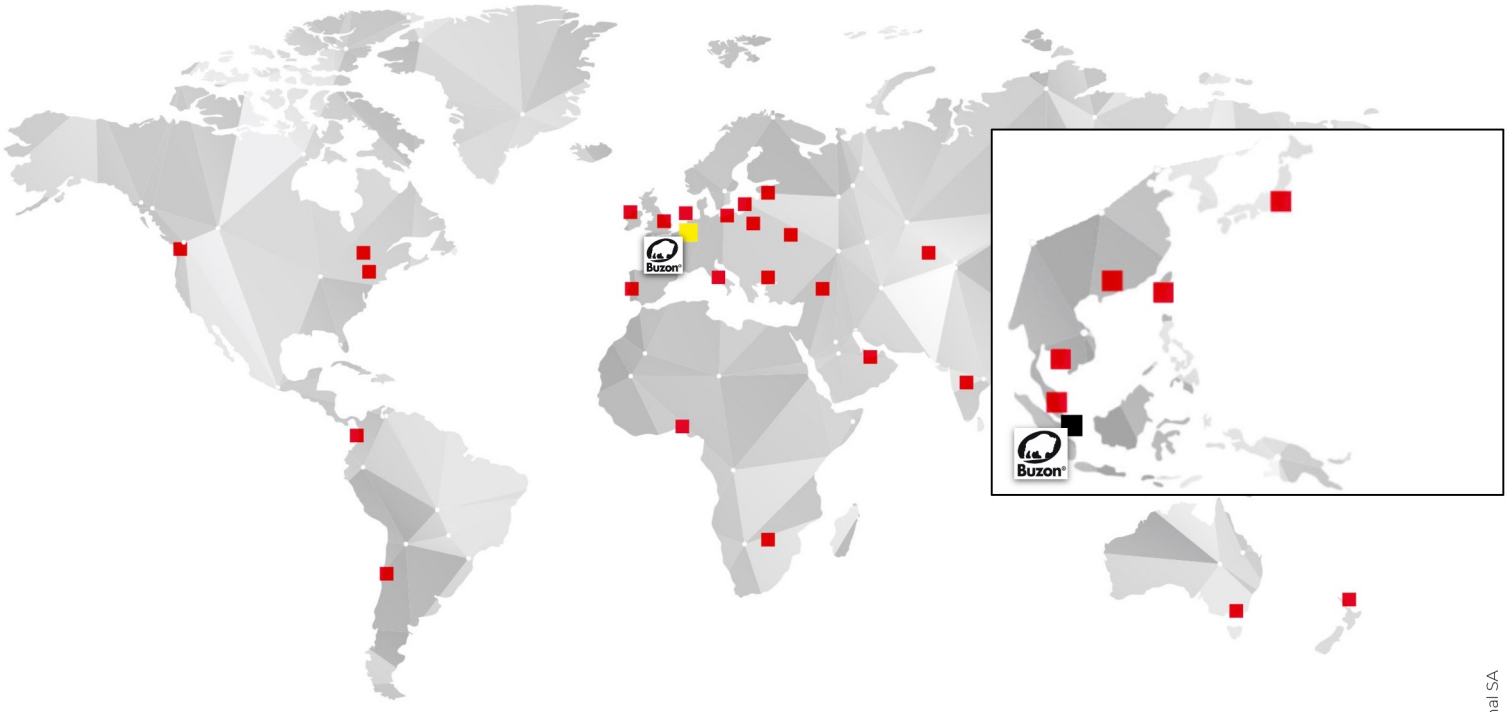
3. Selfridges' London, UK

4. Hammersmith, UK

5. Crystal House, Kaliningrad



Our partners around the world



Project references

- Marina Bay Sands Integrated Resorts. Singapore
- One World Trade Center, New York. USA
- Tokyo Midtown Hibiya, Japan
- MahaNakhon, Bangkok, Thailand
- Arche de la Défense. Paris. France
- Ginza Six, Tokyo, Japan
- Okada Manila, Philippines
- KLCC Twin Towers Petronas Towers, KualaLumpur, Malaysia
- Google HQ King's Cross, London, UK
- Headquarters of the EU Commission, Berlaymont Building, Brussels, Belgium
- Burj Khalifa, Dubai, U.A.E
- d'Leedon, Singapore
- Taipei 101. Taiwan
- Wynn Resort & Casino Hotel, Las Vegas, USA
- CapitaGreen, Singapore
- Sydney Cove Passenger Terminal, Australia
- Tokyo Skytree, Japan
- Asia Square Tower 1 & 2, Singapore
- EU Parliament Buildinq, Brussels, Belgium & Strasbourg, France
- Oasia Hotel Downtown, Singapore
- Roppongi Hills, Tokyo, Japan
- Emporium, Bangkok, Thailand
- Hyogo Prefectural Museum of Modern Art, Kobe, Japan
- Ginza Maison Hermes. Tokyo, Japan
- Grand Hyatt Hotel, Tokyo, Japan
- UP@Robertson Quay, Singapore
- Doha Sports City Tower, Doha, Qatar
- International Finance Center, Hong Kong
- Yongsan Station. Seoul, South Korea
- Takashimaya Department Store, Shinjuku & Tamagawa, Tokyo, Japan
- Mitsukoshi Department Store, Ginza. Tokyo. Japan
- Bill Clinton Presidential Center, Arkansas, USA
- Supreme Court of Singapore. Singapore
- One Raffles Quay, Singapore
- Lexus Showrooms, Japan
- Doha Sports City Tower, Doha, Qatar
- Codan Shinonome Public Housing Project, Tokyo. Japan
- Intercontinental Hotel, Hong Kong
- Tokyo Midtown, Japan
- W Hotel Singapore, Sentosa Cove & Ko-wloon, Hong Kong
- World Trade Center, Beijing, China
- Supreme Court of Justice, Luxembourg
- SOTA. School of the Arts, Singapore
- Cocoon Tower, Mode Gakuen University, Tokyo, Japan
- Ardmore Three, Singapore
- Marina Bay Residences, Singapore
- Museum of Islamic Art, Doha, Qatar
- Resort World Sentosa with S hotels & water features, Singapore Universal Studio, Singapore
- Tokyo International Airport. Narita TI & Haneda T2. Japan
- Scotts Square, Singapore
- Palace Hotel, Tokyo, Japan
- Olympic Village, London, United Kingdom
- Reflections at Keppel Bay, Singapore

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