

Low impact tactile paving system

S/G



BROCHURE
APRIL 2023



Refer to technical standards to customize



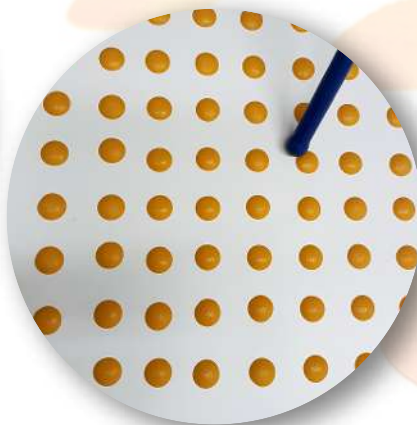
S/G System

S/G is a tactile paving single elements system made up of tactile indicators on the ground with a **minimal architectural impact** aimed at the mobility of people with visual impairment.

S/G system is industrially produced in high performance M-PVC-P technopolymer, suitable for both indoor and outdoor.

The modular elements are made up of stripes for direction and domes for attention. They must be arranged with an appropriate matrix called "DIME" according to the needs.

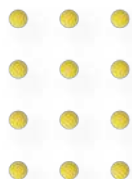
Spacing, height and radius of the tactile profiles arranged in compliance with the dimensional parameters of the reference technical standards, allow blind and visually impaired people to orient themselves through the podotactile and manual sense (the white cane), hearing and brightness contrast.



M-PVC-P codes

DOME ATTENTION CODE

Spherical dome mm Ø 2.5 x h 5,5



The system consists of a series of spherical domes arranged in a parallel or diagonal grid with special matrixes called "DIME" useful for complying with the dimensional parameters of the reference technical standards and to inform about a source of danger to pay attention to.

Truncated conical domes mm Ø 3.5 x h 3



Just like the spherical ones, the system consists of truncated conical domes arranged in a parallel or diagonal grid with special "DIME"s in order to comply with the related technical standards. The system helps to signal attention and/or a source of danger.

STRAIGHT DIRECTION CODE

Straight bar mm 35 x 500 h 3



The system is made up of a series of trapezoidal stripes with outlined edges arranged side by side with special templates useful for complying with the dimensional parameters of the reference technical standards.

Straight bar mm 35 x 500 h 3 – Final radius R15



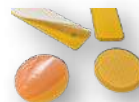
A series of trapezoidal stripes with rounded edges having radius of 15° which avoid possible stumbling of the white stick. The codes are placed side by side with special templates that arranges the distances in according with the distances required by the technical standards.

Straight bar mm 25 x 300 h 3



It is made up of a series of trapezoidal stripes with outlined edges. The stripes can be arranged side by side with the help of special "DIME"s in order to comply with the dimensional parameters required.

Double tape



All the components of the S/G system can be supplied upon request with double-sided tape in polyester film coated with acrylic glue on both sides. The tape adhesive provides the items with excellent adhesion under hard forces and resistant to high temperatures.

Specification item S/G

Tactile paving system with a minimal architectural impact made up of tactile stripes and domes arranged to the ground with special "DIME" in harmony with the dimensions and proportions of the technical standards ISO/FDIS23599 and CEN/TS15209 with olive finish of 2x1mm. The height is no lower than 3mm having the following technical performance characteristics:

| DESCRIPTION | UM | VALUE | TESTING METHOD |
|---|---------|--------------|-------------------|
| Friction coefficient | μ | > 0,40 | B.C.R.A. method |
| IRemaining track | mm | 0,1 | EN433 |
| Wheelchair | - | suitable | EN425 |
| Electrical insulation | ohm | 1010 | DIN 51953 |
| Resistance to chemical product | - | suitable | DIN 51958 |
| Resistance to fire | - | B-fl/s1 | UNI EN 13501-1 |
| Hardness | Shore A | 91 | ISO 868 |
| Xenon arc aging test (with anti-UV) | h | > 300 | UNI EN ISO 4892-2 |
| Heat insulation | W/mk | 0,12 | DIN 52612 |
| Specific weight | gr/cm³ | 1,24+/- 0,02 | ISO 1183 |
| Failing load (after 168h at 100 °C) °C) | N/mm² | 19 | CEI 20-34 |
| Stretch (after 168h at 100 °C) | % | 305 | CEI 20-34 |
| Thermal stability | min | 35 | CEI 20-34 |
| Twisting stability | °C | -20 | ASTM D 104 |
| Slipperes test | - | R 11 | DIN 51130 |



| AVAILABLE COLOURS | VALUE LRV |
|----------------------|-----------|
| YELLOW 3F9 | 37 |
| YELLOW 3FA | 70 |
| WHITE 232B | 83 |
| GREY 1B82 | 23 |
| RED BC3 | 10 |
| BLUE 654C | 7 |
| CHARCOAL 1B68 | 8 |

OTHER COLORS
ON REQUEST

S/G System installation with double tape

S/G tactile indicators can be equipped with factory-installed double-sided tape. To obtain maximum adhesion and laying precision, the tactile indicators must be laid with the help of the special "DIME" matrices and the laying surfaces must be clean, dry, compact, and mechanically resistant.

For preventive cleaning of surfaces, solvents with a mixture of isopropyl alcohol or heptane should be used. When using solvents, the instructions for use and the manufacturer's warnings must be observed.



The seal depends on the degree of contact between the adhesive and the surface.

Applying firm pressure develops better adhesive contact and increases the seal. After application, the bond increases as the adhesive settles into the irregularities of the surfaces.

At room temperature it is possible to reach about 50% of the final hold after 20 minutes, 90% after 24 hours and 100% after 72 hours. In some cases it is possible to increase the seal with the addition of heat (for example at 70°C for 1 hour).

Notes: The ideal temperature for applying the tactile indicators with double-sided tape is between 21°C and 38°C. Minimum application temperatures: it is not recommended to apply the tape at initial temperatures lower than the minimum indicated as the adhesive becomes too stiff to adhere. Once the tape has been applied correctly ensure surfaces are dry and free from moisture condensation. It may be necessary to prepare some substrates before fixing. Most porous (e.g., concrete) or fibrous (e.g., wood) materials need to be sealed to obtain an even surface. Some materials such as copper, brass, plasticized vinyl, must be prepared to prevent interaction between the adhesive and the substrate. Fixing to glass in a high humidity environment requires the use of an appropriate surface preparer to ensure stable fixings over time.

General: User should evaluate applications, surface treatments, solvents, paints, sealants, etc. under actual use conditions with the tape and specific media.

Important warnings: the products must be stored in their original packaging at a temperature not exceeding 23° C and not exceeding 50% relative humidity.

S/G bicomponent glue installation

Substrates must be uniformly dry, mechanically resistant, free from dust, removable parts, cracks, paints, waxes, oils, rust, and anything else that could damage adhesion.

The tactile indicators must be removed from the packaging a few hours before installation and placed freely to allow acclimatization and the reduction of tension due to the packaging.

The adhesive must be carefully placed on the playing surface inside the voids

of the specific templates and massaged from the centre outwards, paying particular attention to filling up to the ends of the template, to allow total contact of the product with the underlying flooring while letting any air bubbles escape from the sides.

The tactile indicators must be installed ensuring an excellent coplanarity of the reliefs, also facilitated by the high versatility of the DIME. Considering the relatively thin thickness of the tactile indicators, they do not need to be walled up or glued onto a suitable screed, as envisaged for other floors, in fact they must be placed directly on the pre-existing floor. If the Tactile Indicators show flatness defects, it is necessary to weigh down the deformed parts with sandbags or other materials until they harden.

Important warnings: do not use outdoors, on substrates subject to rising damp, on wet surfaces; on fresh asphalt (wait at least 90 days), on bituminous surfaces where there is the possibility of oil exudation.

Technical Data Temperature range: + 15° C to + 30° C

Consumption: 0.30 - 0.50 kg/m² Operating temperature: from - 35° C to + 95° C - Time of complete (PRESA): a C + 23° 36 - 40 hours

If construction site requirements require rapid walkability of the artefacts, it is recommended to use a two-component glue Scotch Weld 3M DP490



Notes:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.



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