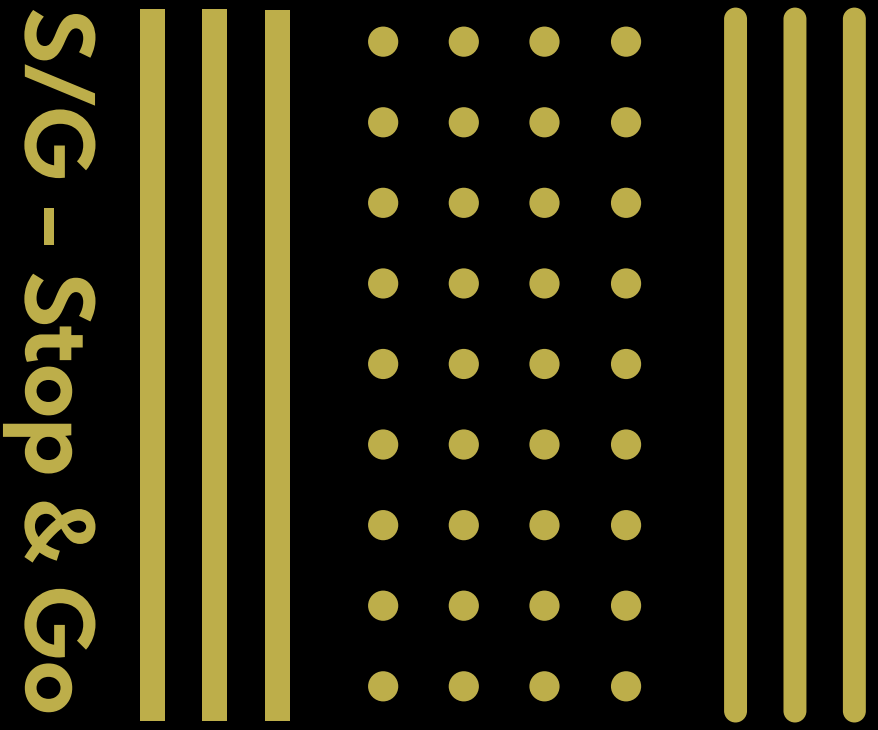
Your **safe** and
independent journey.

ENG



Refer to technical standard to customize

Your **safe** and
independent journey.

ENG

S/G – Stop & Go

low architectural impact tactile warning strips and studs.

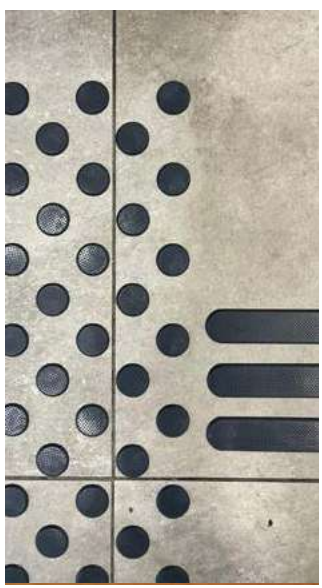
Refer to technical standard to customize

Stop & Go Tactile Indicators System – S/G

S/G single tactile indicators system is designed to aid the mobility of visually impaired people. It is made of high-performance M-PVC-P technopolymer, suitable for indoor installation. It is designed to have **minimal architectural impact** and is made up of orientation and walking strips and hemispherical or truncated domes. The spacing, height, and radius, as required by the relevant technical standards, are arranged in compliance with the dimensional parameters. The single elements must be positioned according to the measurements and distances specified by the standards. The layout can be customized according to needs using a special matrix.

The key innovation of JKJ's tactile systems lies primarily in their material, a **custom M-PVC-P technopolymer** that makes the product resilient and elastic, offering the highest performance. Unlike other TWSIs, the M-PVC-P technopolymer does not crack under concentrated loads, as often happens in high-traffic environments. It provides both audible and color feedback, being made of a different material from the underlying pavement.ù

Recent studies demonstrate that TWSIs are beneficial not only for the blind and visually impaired, but also for all users, as they send **mechanical stimuli that prompt attention to the surrounding environment.** The study results highlight that the presence of tactile indicators has an overall positive effect on the walking behavior of sighted people as well.

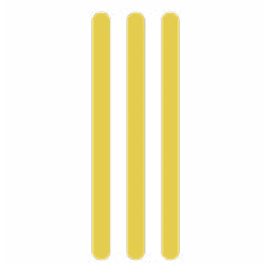


COMPONENTS

Tactile indicators with low architectural impact

Description Indications

01 STRAIGHT BAR (50 CM) R15



The system consists of a series of trapezoidal bars **50 cm** long, **3,5 cm** wide, and **3 mm** high, with a **15°** radius round edges useful to prevent possible tripping of the white cane. The bars are arranged in parallel with special templates called "DIME" to comply with the dimensional parameters of the relevant technical standards.

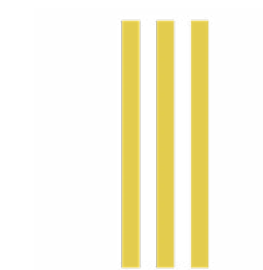
They indicate a safe direction of travel.

02 STRAIGHT BAR (30 CM)

The system consists of a series of trapezoidal bars **30 cm** long, **3,5** cm wide, and **3 mm** high, arranged in parallel with special dies called "DIME" to comply with the dimensional parameters of the relevant technical standards.

They indicate a safe direction of travel.

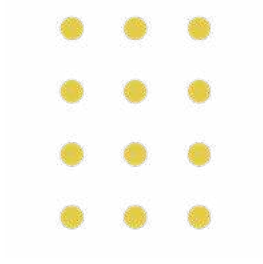
03 STRAIGHT BAR (50 CM)



The system consists of a series of trapezoidal bars **50 cm** long, **3,5 cm** wide, and **3 mm** high, arranged in parallel with special templates called "DIME" to comply with the dimensional parameters of the relevant technical standards.

They indicate a safe direction of travel.

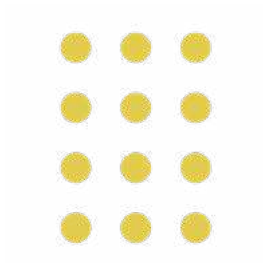
04 HEMISPHERICAL DOME



The system consists of a series of hemispherical domes with a diameter of **2,5 cm** and a height of **5,5 mm**, arranged in a parallel or diagonal grid with a special matrix called "DIME," which comply with the dimensional parameters of the relevant technical standards.

They indicate a source of danger or draw the user's attention.

05 TRUNCATED DOMES



The system consists of a series of truncated domes with a diameter of **3,5 cm** and a height of **3 mm,** arranged in a parallel or diagonal grid with a special matrix called "DIME," which comply with the dimensional parameters of the relevant technical standards..

They indicate a source of danger or draw the user's attention.

Upon request, all components can be supplied with 3M double-sided tape.

Specification item of S/G in M-PVC-P

Tactile indicators system with low architectural impact consisting of tactile strips and domes installed on the floor with special templates or matrixes in accordance with the dimensions and proportions of ISO 23599 and CEN/TS 15209 technical standards, with a characteristic 2x1mm "small olives" design and a height of no less than 3 mm. The system has the following technical and performance features:

DESCRIPTION	UM	VALUE	TESTING METHOD
Friction coefficient	μ	> 0,40	B.C.R.A. method
Residual Imprint	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	94 +/- 2	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/cm^3	1,24+/- 0,02	ISO 1183
Failing load (after 168h at 100 °C)	N/mm^2	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
Anti-slip test	-	R 11	DIN 51130

According to European C. 202/95 (RoHS) CEI 20 - 52 '98, products formulated in compliance with the reach regulation 1907/2006 / EU.

COLORS

Yellow 3F9

Yellow 3FA

Charcoal 1B68

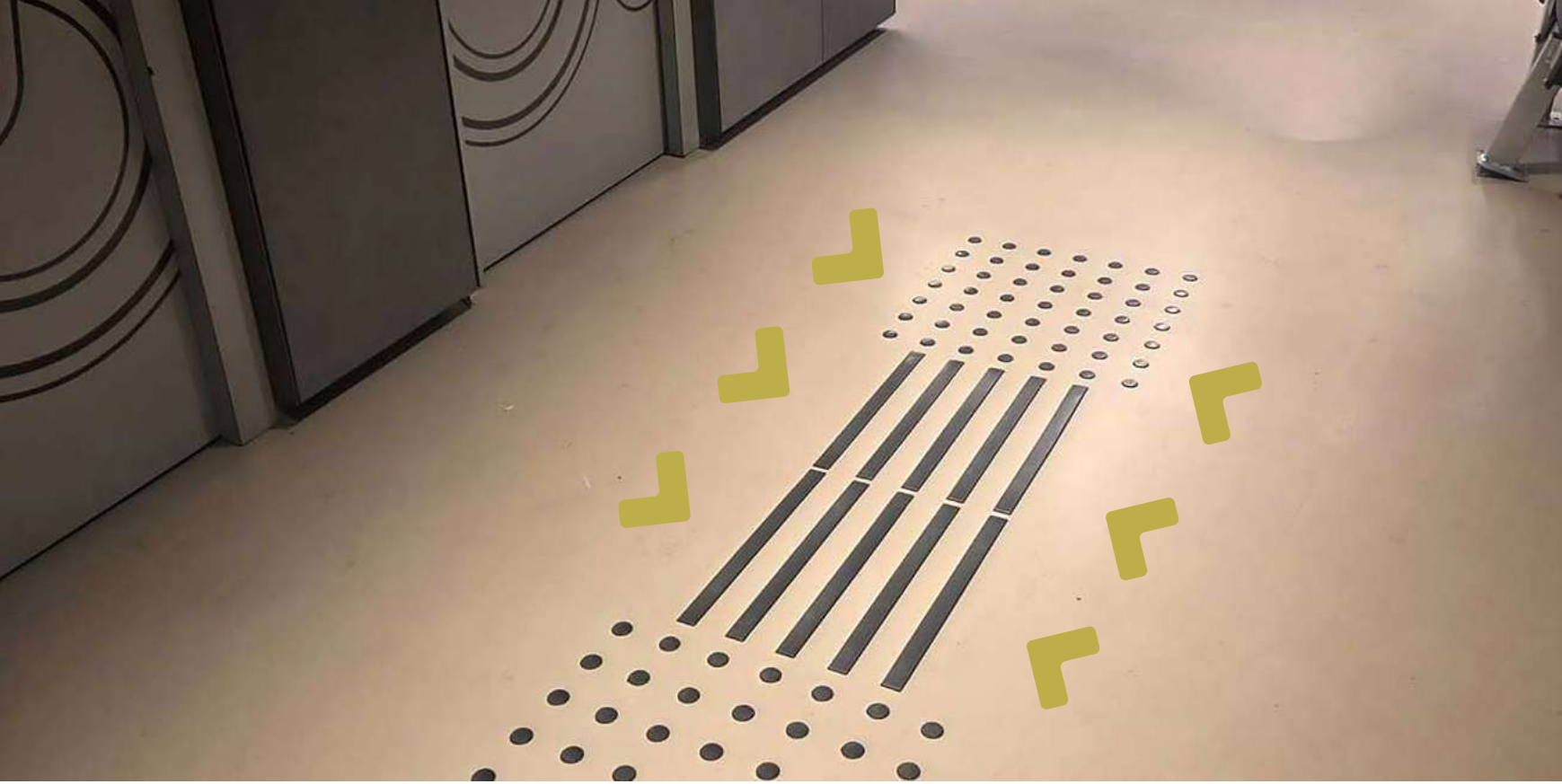
Gray 1B82

Red BC3

White 232B

Blue 654C

Other colors on request



Characteristics of the tactile elements in M-PVC-P technopolymer:

- CAN BE OVERLAID ON EXISTING FLOORING
- B-FL/S1 FIRE REACTION CLASS
- RESISTANT TO HIGH AND LOW TEMPERATURES
- ANTI-SLIP COEFFICIENT R11

JKJ tactile indicators made of M-PVC-P technopolymer are designed to be highly performing and durable. However, installation is a key aspect of their performance and JKJ guarantees maximum durability if made according to the rules only summarized below.

Installation with double sided tape

S/G tactile indicators can be **equipped with preinstalled double-sided tape**. To achieve maximum adhesion and installation precision, the tactile indicators must be installed using special templates.

The installation surfaces must be uniformly dry, mechanically resistant, and free of dust, loose particles, cracks, paint, wax, oil, rust, and anything else that could compromise adhesion.

For preliminary cleaning of surfaces, use solvents with a mixture of isopropyl alcohol or heptane. When using solvents, follow the manufacturer's instructions and warnings.

Adhesion depends on the degree of contact between the adhesive and the surface; therefore, a minimum of 90% adhesion is recommended. Applying firm pressure develops better adhesive contact and increases adhesion. After application, adhesion increases over time. At room temperature, approximately 50% final adhesion is achieved after 20 minutes, 90% after 24 hours, and 100% after 72 hours. The ideal temperature for applying tactile indicators with double-sided tape is between 21°C and 38°C. It is not recommended to apply the tape at initial temperatures below the minimum recommended. Once the tape has been properly applied, ensure that the surfaces are dry and free of condensation.

Most porous or fibrous materials (concrete, wood, etc.) must be pre-sealed to achieve a uniform surface. Some materials, such as copper, brass, and plasticized vinyl, must be primed to prevent interaction between the adhesive and the substrate. Fixing to glass in a high-humidity environment requires the use of an appropriate surface primer to ensure long-lasting stability.

Installation with bicomponent glue

Again, the substrate must be uniformly dry, mechanically resistant, and free of loose particles or moisture. Tactile indicators should be removed from their packaging a few hours before installation and positioned freely to allow them to acclimatize and reduce stress from the packaging.
The glue must be carefully applied to the playing surface within the empty spaces of the templates and massaged from the center outward, paying particular attention to filling the template all the way to the edges, ensuring full contact with the underlying flooring and the release of any air bubbles from the sides.
The tactile indicators must be installed ensuring the reliefs are perfectly flat. Given their relatively thin thickness, they do not need to be bricked in, glued to a suitable screed, or nailed in, as is required for other flooring types. They must be installed directly on the existing flooring. If the indicators are uneven, the deformed areas must be weighted down 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), or on bituminous surfaces where oil may bleed. The temperature range is from 15°C to 30°C, consumption from 0.30 to 0.50 kg/m^2, and the operating temperature range is from -35°C to +95°C. The complete setting time is 36 to 40 hours. Finally, the products should be stored in their original packaging at a temperature no higher than 23°C and with a relative humidity no higher than 50%.

Cleaning Information

JKJ tactile indicators can be cleaned with a common acetone-free cleaner or degreaser commonly used for cleaning floors.
To clean the floor before installation, we strongly recommend the use of specific cleaners to ensure there are no traces of wax. For regular cleaning, we recommend the use of products specifically designed for plastic surfaces. For extraordinary cleaning and more intensive maintenance, a more aggressive cleaner can be used, provided it is acetone-free.
All products recommended for installation and cleaning are for professional use.


esystem.com

Our commitment goes beyond simple numbers and technical solutions. We believe that every project is a story to be told, every product a hand extended toward a more accessible future. With passion and expertise, we design tactile paving tiles that improve mobility for everyone in the world, making the urban environment truly accessible. traduci

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