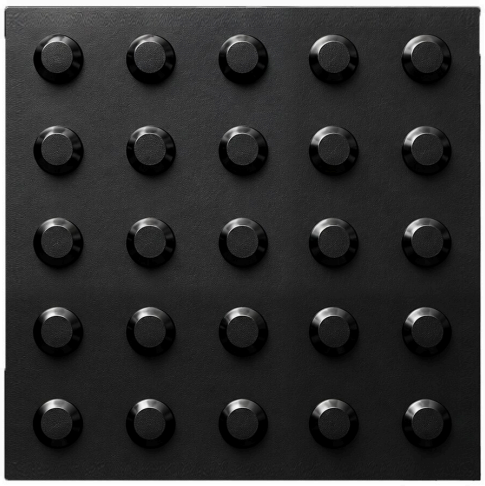
Tactile Warning Tile for the Visually Impaired, Black, 30×30×0.8 cm

Anti-slip



AT A GLANCE

- Tactile warning (STOP) tile, black RAL 9017.
- Raised domes, non-slip surface.
- TPU, 30 × 30 × 0.8 cm, 0.35 kg.
- Installed with epoxy adhesive (not included).

Product code	**ATZ 9004-BK**
Category	**Tactile Surfaces**
Brand	**Atto Trafic**
Weight	**0.35 kg**

This product on attotrafic.ro
https://attotrafic.ro/en_US/products/marcaj-tactil-de-avertizare-pentru-nevazatori-negru-30x30x0-8-cm

Technical specifications

Material	TPU (thermoplastic polyurethane)
Color	Black (RAL 9017)
Length	30 cm
Width	30 cm
Height	7.6 mm
Plate thickness	2.5 mm
Relief height	5.1 mm
Tactile pattern	25 studs (5 × 5)
Studs	truncated cone, Ø30 mm at the base, Ø21 mm on top
Centre-to-centre spacing	58.65 mm
Weight	0.35 kg
Mounting System	Epoxy adhesive (not included)

Description

This is the black RAL 9017 version of the ATZ 9004 warning tile. The raised domes say "stop", and the black colour makes it visible on light floors: white tiles, beige stone, light marble.

Where it goes

Before stairs and steps, at the end of a guidance route, before a pedestrian crossing or at the edge of a platform.

Material

TPU (thermoplastic polyurethane), 30 × 30 cm, 0.8 cm thick, 0.35 kg. The surface is non-slip.

Installation and quantity

It is bonded with epoxy adhesive, bought separately. In front of a staircase 1.5 m wide, one row of tiles means 5 pieces, and two rows mean 10. For a 1 m² area, allow 12 tiles.

The matching guidance tile

The ATZ 9003-BK has the same format and colour, with guidance ribs instead of domes. For long routes with larger tiles, see the 40 × 40 cm ATZ 9005-BK and ATZ 9006-BK.

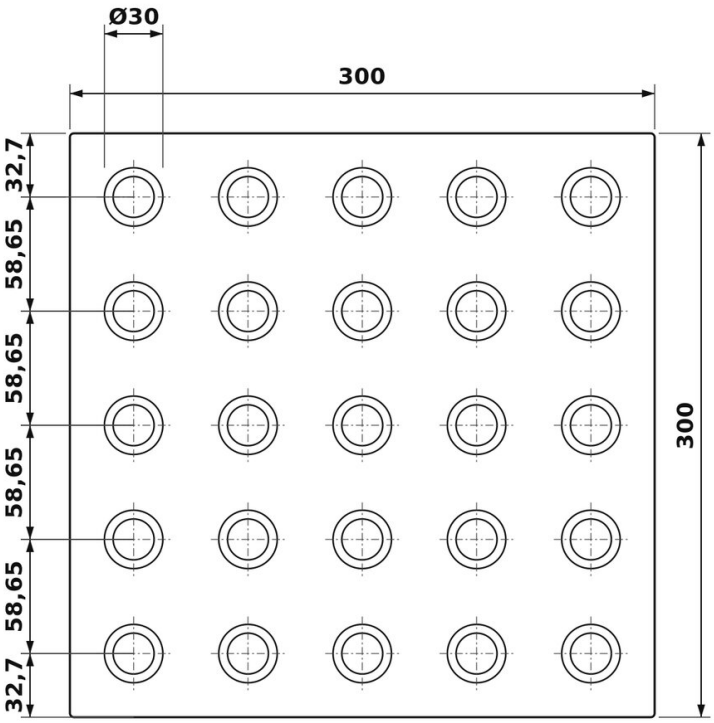
Drawings and details · 1/3

ATZ 9004-BK – Dală tactilă de avertizare, 30 x 30 cm, neagră

ATZ 9004-BK Tactile warning tile, 30 x 30 cm, black

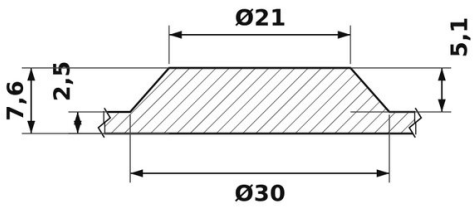
300 x 300 mm · dimensiunile produsului

300 x 300 mm · product dimensions



Secțiune prin buton (mărit)

Section through a stud (enlarged)



Dimensiuni în mm. 25 (5 x 5) de butoni trunchi de con, în relief de 5,1 mm; placa are 2,5 mm.

Dimensions in mm. 25 (5 x 5) truncated-cone studs, 5.1 mm high; the plate is 2.5 mm thick.

TPU (poliuretan termoplastic), negru RAL 9017, 0,35 kg; suprafață antiderapantă.

TPU (thermoplastic polyurethane), black RAL 9017, 0.35 kg; non-slip surface.

Se lipește cu adeziv epoxidic (nu este inclus).

Bonded with epoxy adhesive (not included).

ATZ 9004-BK dimensions: 300 × 300 mm, Ø30 / Ø21 mm studs 58.65 mm apart, 7.6 mm high

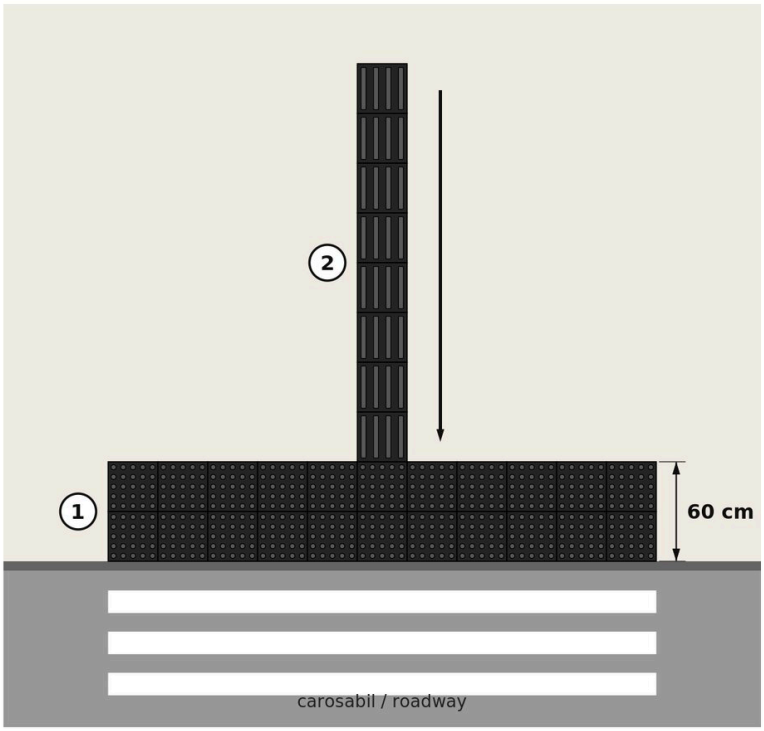
Drawings and details · 2/3

Unde se pun plăcile de avertizare

Where the warning tiles go

La trecerea de pietoni

At a pedestrian crossing



1. Bandă de avertizare (butoni): aici te oprești.
   Warning band (studs): stop here.
2. Traseu de ghidare (bare): barele pe direcția de mers.
   Guidance route (bars): bars along the walking direction.

La scări și rampe, unde nivelul se schimbă, NP 051-2012 cere galben (IV.7.2): ATZ 9004.
On stairs and ramps, where the level changes, NP 051-2012 asks for yellow (IV.7.2): ATZ 9004.

NP 051-2012: avertizare de cel puțin 60 cm pe toată lățimea rampelor și a scărilor de acces (V.5.3, V.5.4).
NP 051-2012: a warning surface at least 60 cm deep across the whole width of ramps and entrance stairs (V.5.3, V.5.4).

La scări: 60–90 cm, la 30–50 cm de muchia primei trepte (V.2.2.5).
At stairs: 60–90 cm, placed 30–50 cm before the edge of the first step (V.2.2.5).

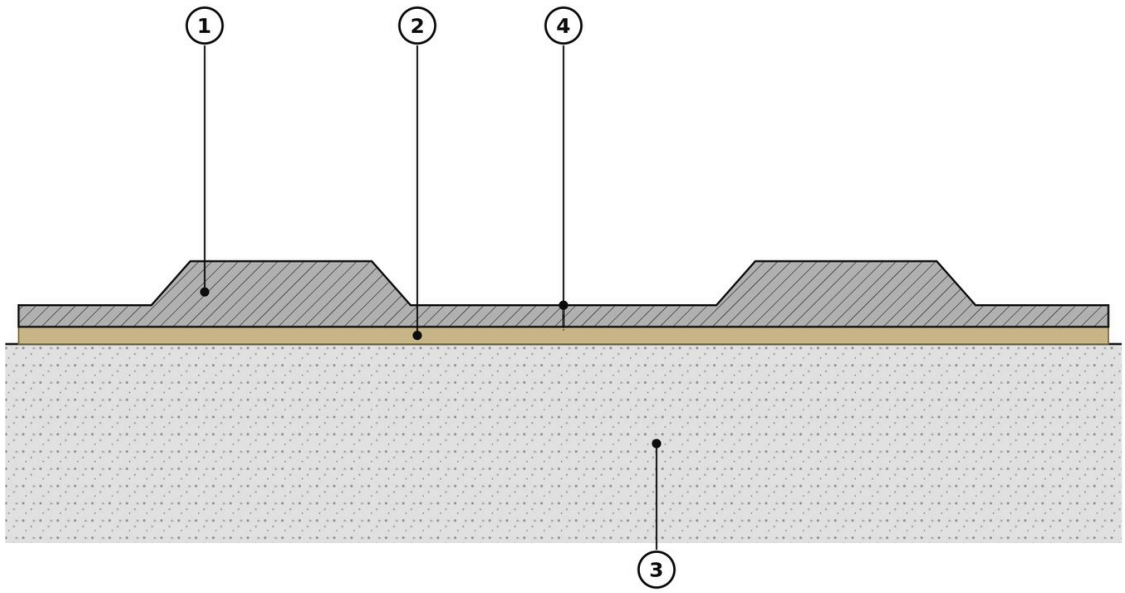
La treceri normativul cere benzi de ghidaj (IV.4.1), dar nu dă adâncimea avertizării: aici 60 cm.
At crossings the normative asks for guidance strips (IV.4.1) but sets no warning depth: 60 cm here.

Galben la schimbările de nivel (IV.7.2); placa trebuie să contrasteze cu pardoseala.
Yellow where the level changes (IV.7.2); the tile must contrast with the floor.

Where the warning tiles go, per NP 051-2012

Drawings and details · 3/3

Montaj: se lipește cu adeziv epoxidic
Installation: bonded with epoxy adhesive



1 Placa tactilă: TPU, 7,6 mm deasupra adezivului.
The tactile tile: TPU, 7.6 mm above the adhesive.

2 Adeziv epoxidic – nu este inclus. Pregătirea suprafeței și timpul de întărire: după instrucțiunile adezivului.
Epoxy adhesive – not included. Surface preparation and curing time: as the adhesive instructions say.

3 Pardoseala finită: nu se dau găuri și nu se pun șuruburi – placa doar se lipește.
The finished floor: no drilling and no screws – the tile is only glued down.

4 Plăcile vecine se pun cap la cap, la același nivel.
Neighbouring tiles are laid edge to edge, at the same level.

Installing ATZ 9004-BK: bonded to the finished floor with epoxy adhesive