Tactile Ground Surface Indicators or TGSI (NBC B-2.5 Fig. 31)

Tactile guiding and warning tiles aid blind and vision impaired pedestrians negotiate the built environment, and shall be of the dimensions as given in Fig. 31 a), b).

Places to Install TGSI (NBC B-2.5.3)

TGSI shall be installed at following places:

a) In open space to orient persons with vision impairment;

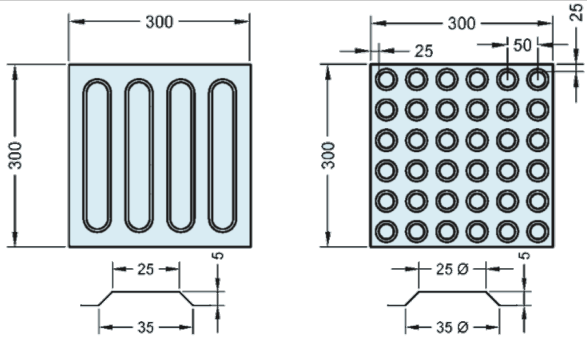
b) In front of an area where traffic is present;

c) In front of an entrance/exit to and from a ramp, staircase or multi-level crossing facility;

d) Entrances/exits at public transport terminals or boarding areas;

e) Sidewalk/footpath section of an approach road to a building;

f) From a public facility to the nearest public transport station.



All dimensions in millimetres

NBC B-2.5 Fig. 31 Tactile Ground Surface Indicators (TGSI)

TGSI Surface Contrast (NBC B-2.3.1.m)

TGSI (warning type) shall be provided to notify the presence of traffic and shall have a minimum luminous contrast of **70% LRV** with the adjoining surfaces for the elderly and persons with visual impairment.

Guiding (NBC B-2.5.1)

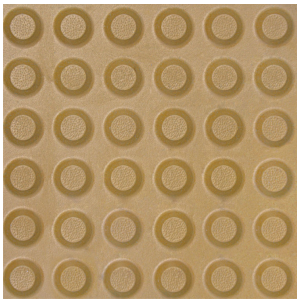
Tactile guiding blocks indicate a correct path/route to follow for a person with visual impairment. It is recommended to install one/two rows of tactile guiding blocks along the entire length of the proposed accessible route.

Two rows of tactile warning tiles shall be installed across the entire width of the designated accessible pathway, before intersections, building entrances, level changes, obstacles such as trees, street furniture like benches or bus stop shelters and each time the walkway changes direction.

Stairs and Ramps (NBC B-2.5.3.c)

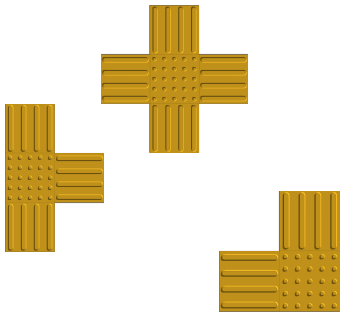
Warning blocks shall be placed **300 mm** from the beginning and end of the ramps and stairs, at landings and entrance to any door.

NBC B-2.5 Fig.31a)
Guiding Block

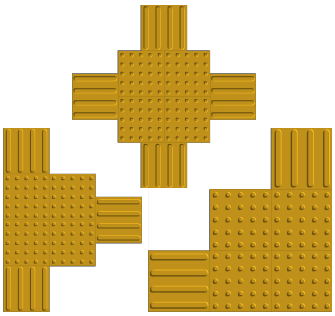


NBC B-2.5 Fig. 31b)
Warning Block

Small junctions for narrow corridors



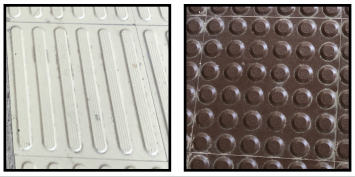
Large junctions for open areas

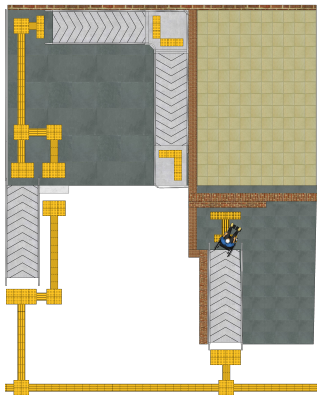


Wrong placement. Fake TGSI, Poor colour contrast.

Good placement. Real TGSI, Good colour contrast.

Fake tactile tiles are available in the market. Using them is illegal. They look very similar to correct tiles but they have a profile of less than 4 mm and do not provide adequate tactile feedback. They usually have 7 row of dots/stripes.





Establishment Name Building Name			Address	

Sn	Description	Required	Y/N	Actual	Notes
02.09.01	**Genuine TGSI:** genuine thickness Pattern	**Profile thickness:** 5 mm **Warning:** 6 x 6 - 25 mm **Guiding:** 6 slats - 25 mm	N		
02.09.02	**Fake TGSI:** Identify if the profile less than 5 mm.	**Profile Thickness:** 2 - 4 mm	N		
02.09.03	**Colour Contrast:** against surrounding floor surface	**LRV** = >70%	N		
02.09.04	**Stair/Ramp:** Warning TGSI at bottom/top of all steps and ramps	**Distance:** 300 mm	N		
02.09.05	**Route Guidance:** Guiding tiles provide direction of accessible route.	**Route:** Guiding tiles arranged in lines to lift, toilet, ticket counter etc	N		
02.09.06	**Junction:** At change of direction a junction is provided by way of warning tile pattern	**Cross Pattern Junction:** (either single or double tile width)	N		
02.09.07	**Tactile Stud Inserts:** Where tiles are not possible have studs inserts been installed?	Stud inserts fitted in to floor surface in correct pattern	N		
02.09.08	**Other:**		N		