



SPEED BLOCKER® -Mat

Installation Instructions

1. Preface

Selecting the most suitable kind of fastening the SPEED BLOCKER® mats depends on different items:

- the ground (asphalt, cobble stone, concrete etc.)
- reason for installation (speed limit 30 km/h, 50 km/h, children's play road)
- density of traffic (how many cars per unit)
- kind of traffic (lorries, busses, passenger cars)

There is no standard solution. Therefore up to our experiences detailed informations and support is very important for the customer.

2. Position for Installation

The SPEED BLOCKER® mat should not be located over sewer covers, water connections or other technical devices.

On public roads at the right border of the lane there must be kept a sufficiently wide space for motorcycles, bicycles or other two wheeled vehicles. But the distance to the right border shall not be too wide to avoid that cars can pass the SPEED BLOCKER® at the right side (recommendation: space to the border of 60 to 100 cm)

At the end of a traffic calming zone an additional SPEED BLOCKER® shall also be installed.

3. Installation Tools (exemplary)

Driller	Bosch SDS-max 26/200 (crown drill)
Drill hammer	minimum 5,5 kg
Industrial absorber	25 mm nozzle
Hollow screw spanner	8 mm
Electric current	220 V (electric generator)
Set of Tools	hammer, chisel etc.
Crane with appliance	for lifting and hoisting minimum 0,8 t at 3 m overhang (weight of mat about 190 g)
Stamping tools	
Silicone oil	

4.0 Installation in Asphalt with Low Traffic Density

In Zones of low traffic density, i.e. few passenger cars and no lorries or busses, the SPEED BLOCKER® mat can be mounted as described under item 5) without any further preparation.

4.1 Installation in Asphalt with Normal Traffic Density

For this appliance we recommend to grout in a drill core (about 200 mm deep) with concrete, wait until dry and then install the mat as described under item 5).

5. Installation in Concrete

Place the SPEED BLOCKER® mat and mark the drill holes with marker spray. Make a 150 mm deep hole with the 26- to 28 mm driller (wet drilling). The drilling waste has to be totally removed by the industrial absorber with 26 mm nozzle.

With the special installation tools the enclosed special rubber dowels must be beaten into the drilling holes deeply enough for the top edge of the dowels to lock together with the top edge of the lane.

Don't beat in the rubber dowels with the screw inside in order to avoid damage of the nut.

Next step is to adjust the SPEED BLOCKER® over the dowels and tighten by hand with the hollow screw. The hollow screw shall be coated with silicone oil due to the friction to the rubber. Don't forget to place supporting disks under the screws!

After all screws being fixed fasten with the hollow screw spanner, but only so tight that the rubber shows no deformation. Please observe that the outside edges don't arch up. Otherwise you have to bend them down before installation.

6. Installation on Cobble Stone Road or Unsurfaced Road

The corresponding cobble stones must be taken out and replaced by a ready-mix concrete. Recommendation: Add an elasticizer (e.g. good compound of Lugato) or add 10 % quick cement.

For unsurfaced roads corresponding holes must be dugged out and grouted in with concrete. Please observe: The drying time of the concrete prescribed by the corresponding producer must be kept in any case. The drilling holes for the sockets can either be hollowed out by a model during the concretion process or must be drilled as described above afterwards.

7. Guarantee

3GG-Trading GmbH does not take over any guarantee for the installation of SPEED BLOCKER® mats.