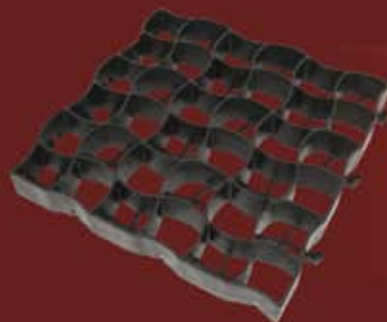




# **RUNFLOOR**



High load grid for soil consolidation



**sport**

[www.geoplast.it](http://www.geoplast.it)





## ADVANTAGES

- Eliminates mud thanks to the 85% permeability of the grid and the water permeable subgrade..
- Stabilise loose and uneven soil with the special shape of the grid and its load-bearing capacity of 500 t/m<sup>2</sup>.
- Reduction of surface maintenance eliminating holes and dips.
- RUNFLOOR® permanently separates the subgrade from the top layer, preventing different materials from mixing.
- RUNFLOOR® is anti-slip, UV-resistant, chemically inert, and environmentally friendly as it is made of regenerated PE LD (Low Density Polyethylene).
- The installation of RUNFLOOR® is simple and fast as it is very light and easy to assemble thanks to its special T-joint



WITHOUT RUNFLOOR®



WITH RUNFLOOR®

## TECHNICAL CHARACTERISTICS

MATERIAL	Regenerated, UV-stabilised PE LD
DIMENSIONS	40,8 X 40,8 X H5 cm
LOAD BEARING CAPACITY	500 t/m <sup>2</sup> - satisfies DIN 1072 extened to 20 t
WEIGHT	4,80 kg/m <sup>2</sup>
WATER PERMEABILITY	85%
TOTAL CELL VOLUME	0,042 m <sup>2</sup>
COLOUR	Black
PACKAGING SIZE	82 X 125 X H230 cm



ARNALDO BOLOGNI - Italian Championship June 26-29, 2008 - Pontedera (Pisa), Italy

## APPLICATIONS

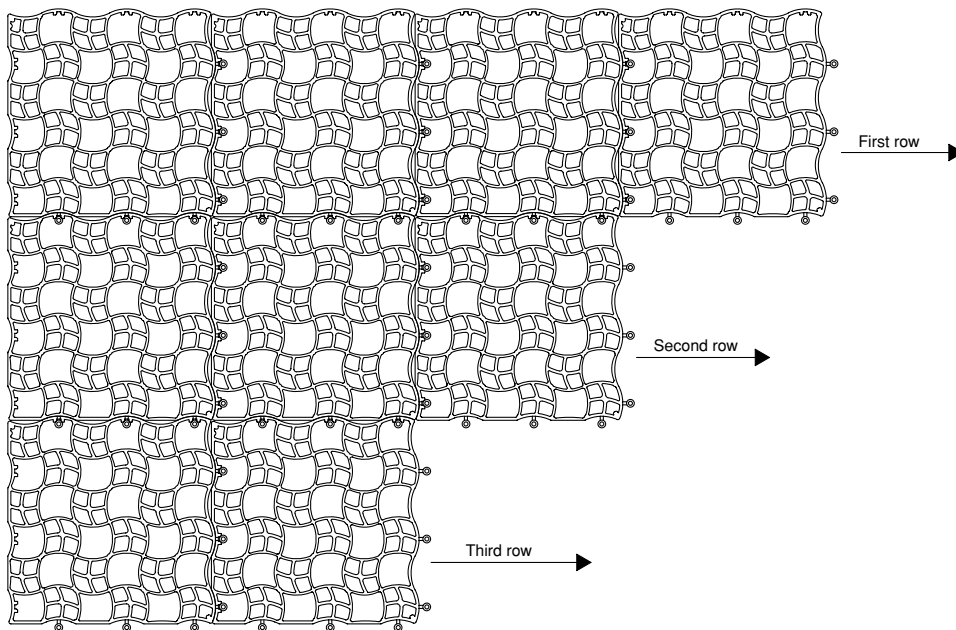
- Arenas and lungeing rings.
- Paddocks, boxes, stalls and drylots.
- Riding schools and rings.
- Permanent and temporary racing tracks.
- Horse tack fitting areas.
- Heavy vehicle transit areas (for example fire engine access).
- Road bank stabilisation.
- Building sites.
- Vehicle transit- and parking-areas.
- Erosion control, for underground canals and swale ditches, as well as for the consolidation of natural or man-made slopes.





# INSTALLATION OF RUNFLOOR

Thanks to its T-joints RUNFLOOR® is very simple to lay

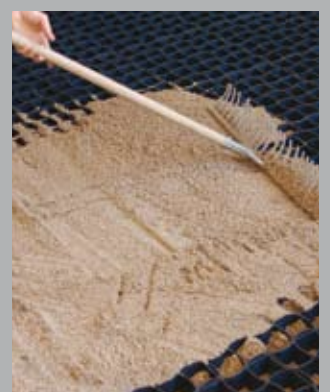
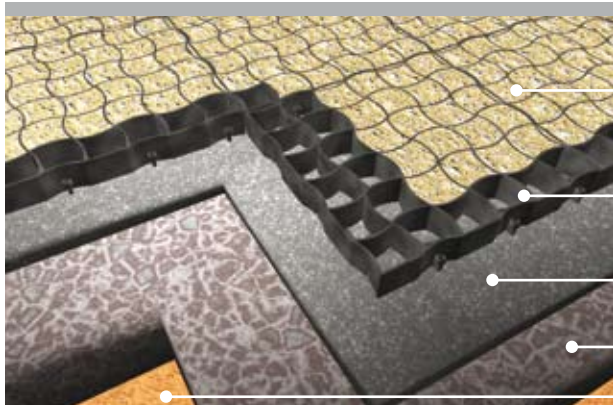


## INSTALLATION INSTRUCTIONS

- 1** LEVEL AND COMPACT THE DIGOUT (SLANT AT 1% SLOPE); IN PRESENCE OF UNSTABLE SOIL IT IS BEST TO LAY A NON-WOVEN GEOTEXTILE 130 g/m<sup>2</sup> WEIGHT;
- 2** LAY A STABILISER SUBBASE OF WASHED GRAVEL, THICKNESS 15 - 20 cm;
- 3** LAY A BASE OF FINE GRAVEL, 4 cm THICKNESS. PARTICLE SIZE 2 - 5 mm;
- 4** LAY THE RUNFLOOR® GRID;
- 5** FILL THE GRID CELLS TO THE BRIM WITH FINE GRAVEL (PARTICLE SIZE 2 - 5 mm) OR SAND;

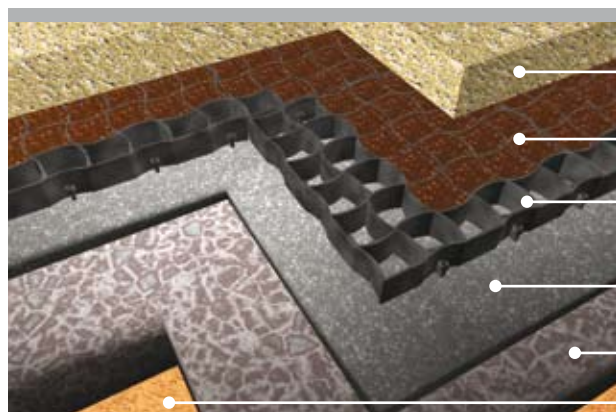
N.B. it is possible to lay RUNFLOOR® directly existing surface (provided it guarantees stability) and fill the cells as per point 5.

## GROUND CONSOLIDATION LAYERSs



# EQUESTRIAN SPORTS LAYERS

Thanks to its T-joints RUNFLOOR® is very simple to lay



Riding surface

Sand or volcanic lapillo filling

**RUNFLOOR®** PE LD grid

Fine gravel base, particle size 2 - 5 mm

Gravel or crushed stone subbase

Natural soil



## RACING AND TRAINING TRACK SURFACES

- 1** Level and compact the digout (slant at 1% slope); in presence of unstable soil it is best to lay non non-woven geotextile 130 g/m<sup>2</sup>;
- 2** Lay a stabiliser subbase of washed gravel 15 to 20 cm depth;
- 3** Lay a base of fine gravel, 4 cm depth, particle size 2 - 5 mm;
- 4** Lay the RUNFLOOR® grid;
- 5** a) Fill the cells to the brim with volcanic lapillo (particle size 0 - 4 mm), which is porous and retains moisture in the riding surface avoiding dust;  
b) Alternatively fill the cells to the brim with riding surface sand;
- 6** Cover the grids with a 20 - 15 cm layer of riding surface sand.



## RIDING SURFACES

Used with specific footing materials, RUNFLOOR® is ideal for riding surfaces:

- 1** Absorbs the dynamic loads created during riding, galloping and jumping, remaining compact and elastic at the same time;
- 2** Avoids slipping;
- 3** Assures good water drainage whilst maintaining the correct moisture of the top layer, thus avoiding dust;
- 4** Easy to install and remove after the event;
- 5** Easy maintenance.



## CUSTOMER SERVICE: PROJECT DEVELOPMENT

Send your projects in DWG format to: [ufficiotecnico@geoplast.it](mailto:ufficiotecnico@geoplast.it)

## ASSEMBLY HANDBOOK AND TECHNICAL SPECIFICATION

Available in our website [www.geoplast.it](http://www.geoplast.it) in the "Documents and data" section.



## APPLICATIONS



TROUGHS - MANGERS



LUNGEING RINGS



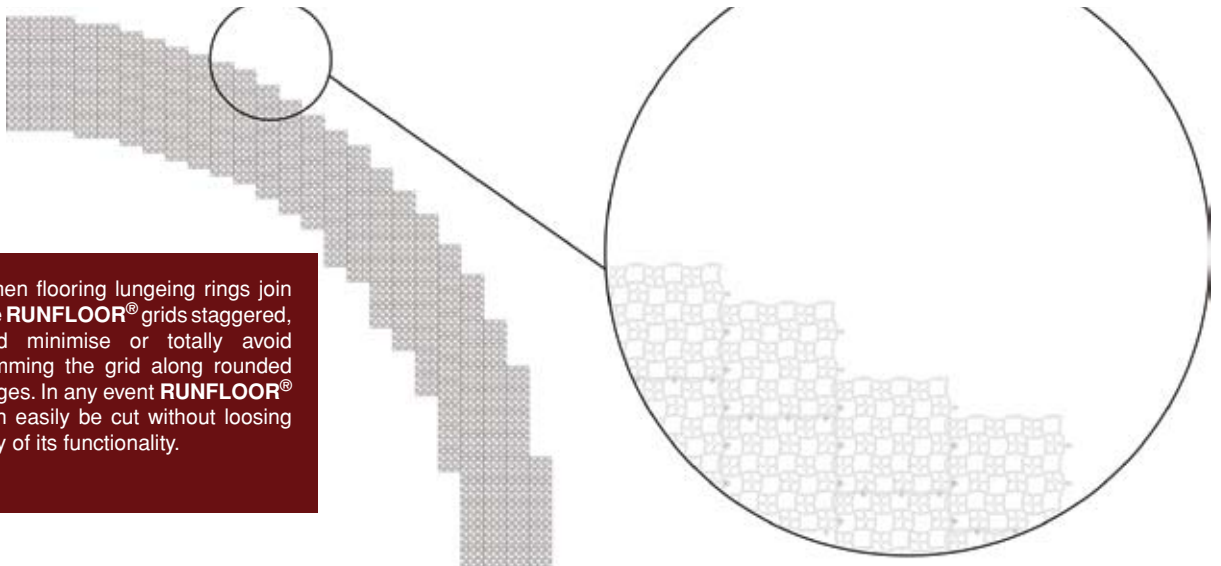
MENEGES - RACING ARENAS



EXHIBITIONS AND TEMPORARY EVENTS

### CREATION OF CIRCULAR SURFACES WITH RUNFLOOR®

When flooring lungeing rings join the **RUNFLOOR®** grids staggered, and minimise or totally avoid trimming the grid along rounded edges. In any event **RUNFLOOR®** can easily be cut without losing any of its functionality.



## SPECIAL APPLICATIONS



HEAVY LOADS



SLOPES AND ROAD BANKS



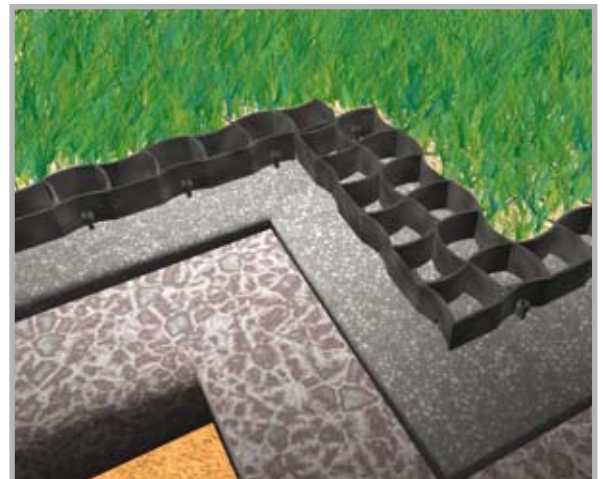
LANDINGS STRIPS AND  
HELICOPTER PADS



SLIPWAYS

To create green surfaces suitable for the transit or stationing of heavy vehicles:

- 1** Lay a drainage base of 10-15 thickness with volcanic lapillo, particle size 5-20 mm, with crush resistance 35 N/mm<sup>2</sup> (UNI 7549/7). Alternatively use well compacted washed fine gravel;
- 2** Create a layer of mixed volcanic sands (enriched with nursery soil and organic fertilisers), particle size 0 - 5 mm, 3 - 4 cm thickness, over the base. Compact and level off;
- 3** Place the RUNFLOOR® grid(\*);
- 4** Fill the cells with:
  - a) a blend of silica sand, nursery soli and horganic humus;
  - b) a blend of silica sand, nursery soli and horganic humus;
- 5** Level off and seed.



\*In the case of a gravel surface after point 3 just fill the cells to the brim with gravel.





## ***Geoplast International***

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