

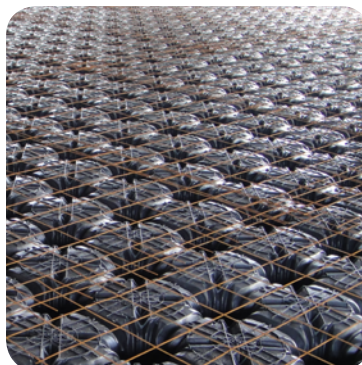
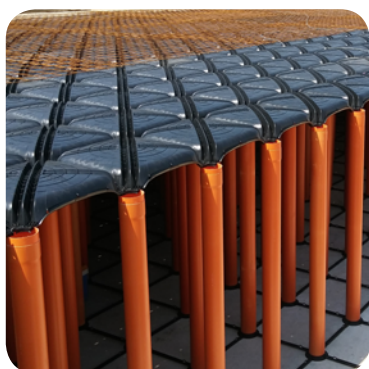
PLASTICHE 3F

INNOVATIVE AND FUNCTIONAL SOLUTIONS



specific products for

BUILDING GARDEN SPORT



PLASTICHE 3F



Plastiche 3F s.r.l. Unipersonale, produces and markets plastic products for Building, Garden and Sport sectors.

Our activity consists in the continuous research for innovative solutions that can allow more comfort, design and economic advantage in various applications.

BUILDING

Innovative products for private houses and industrial buildings.

GARDEN

Ecological and design products for the realization of outdoor flooring and hanging gardens.

SPORT

Innovative products for sports.

Our company pays close attention to the environment.

We make recycled and recyclable plastic products.



Mould for Concrete and Grass CE 08 which is made from Recycled polystyrene plastic, is used to create a permeable surface of reinforced concrete that is practical, environmental and visually appealing. The empty spaces created within the compact shape of the mould, can be filled with soil and sown or filled with gravel. You can also perform various types of finishes directly on site such as color pigment of the concrete, or a surface finish with concrete and exposed gravel.

MOULD FOR CONCRETE AND GRASS CE08

MOULD FOR CONCRETE AND GRASS CE 08 IN COMBINATION WITH REINFORCED STEEL MESH IS AN IDEAL PRODUCT FOR USE WHERE YOU HAVE SOIL MOVEMENT SUCH AS EXPANSIVE SOILS THROUGH WETTING A DRYING PERIODS.

**BUILDING CAR PARKS & PARKING SPACES – PUBLIC, PRIVATE, COMMERCIAL, SPORTING, EDUCATIONAL & INDUSTRIAL
DRIVEWAYS – PUBLIC, RESIDENTIAL & COMMERCIAL.
USED AT THE BORDER OF TRAIN RAILS AND BUS WAYS. USED ALONG ROADSIDE AS VERGES.**

GARDEN

DRAINAGE OUTSIDE FLOOR

Mould for Concrete and Grass CE 08 is easy to install and handle on site.

It can be cut to size using a disc grinder / cutter or hot blade.

The cut pieces can be installed along with the whole pieces avoiding product waste.

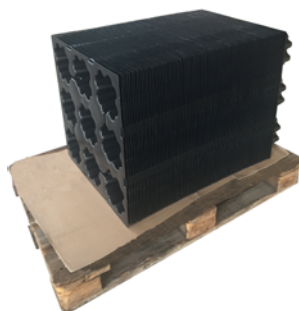
On the base of CE 08 there is a spacer which is used to support reinforcement steel mesh at a fixed height during the concrete casting. Changing the strength type of the concrete (Rck) and the diameter of the steel wire mesh, makes the installation of Mould for concrete and Grass CE 08 suitable to create an external floor resistant to various overloads.

Installation

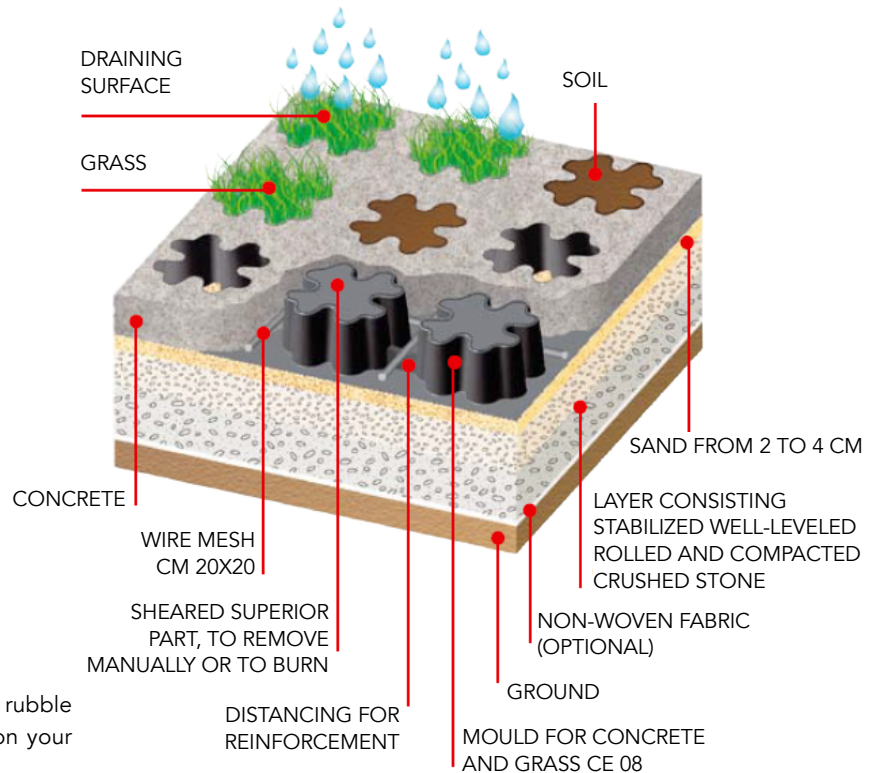
- 1) Prepare a well- levelled, rolled and compacted rubble base, suitable for vehicular traffic. Dependent on your soil type this may vary in depth.
- 2) Over the rubble base spread a layer of fine sand, like the consistency of concrete sand, well leveled to a depth of 3 cm as the bedding layer for the Mould.
- 3) Lay Mould for Concrete and Grass CE 08 pieces side by side and not overlapped.
- 4) Lay the steel mesh 20 x 20 x cm, place it on the appropriate supports.
- 5) Concrete is cast, level with the top of the Moulds.
- 6) Once set, the tops the Mould are punched through and cleaned.
- 7) Empty spaces are filled with organic soil and seeded or alternatively filled with gravel.

IMPORTANT TIPS

- Special Concrete Finishing Shoes are to be worn during the laying and casting process.
- Use suitable technical joints in the two directions approx every 4 – 4.5 m.
- Moulds should not be exposed to the sun for an extended period of time.
- Pieces of Mould must be stores in the vertical position for a long period of time.



MOULD FOR CONCRETE AND GRASS CE 08



Technical Specifications of the Mould for Concrete and grass CE 08

Pieces per m ²	/	3 pz = 1,08 m ²
Dimension	cm	60 x 60 x 8
Material	/	Recycled polystyrene plastic – PS 06
Weight	kg/m ²	1,59
Covered area for packaging	m ²	360
Pieces for packaging	pz	1000
Dimension of packaging	P x L x H cm	120 x 120 x 255
Surface with grass (self-drainage)	/	32%
Support surface	m ² /m ²	0,43
Volume of concrete	m ³ /m ²	0,044
Volume of ground	m ³ /m ²	0,035
Distancing for the mesh	cm	H 2

TABLE OUTLINING THICKNESS OF THE FOUNDATION IN CM (min. 10 cm)

Allowed loading of the ground for the laying (kg/cm ²)	CARS AND LIGHT TRUCKS	MEDIUM AND HEAVY TRUCKS	TRAILER TRUCK AND ARTICULATED TRUCKS *
	Axle 2	Axle 2	Axle 3+2
	Loading per axle max 2 tons	Loading per axle from 2 tons a 10 tons	Loading per axle max 20 tons
	Wire mesh 20x20cm, Ø 6 mm	Wire mesh 20x20cm, Ø 6 mm	Wire mesh 20x20cm, Ø 8 mm
0,5	Foundation 10 cm	Foundation 55 cm	Foundation 95 cm
0,8	Foundation 10 cm	Foundation 35 cm	Foundation 70 cm
1,0	Foundation 10 cm	Foundation 25 cm	Foundation 55 cm
1,3	Foundation 10 cm	Foundation 18 cm	Foundation 45 cm
1,5	Foundation 10 cm	Foundation 12 cm	Foundation 36 cm
2,0	Foundation 10 cm	Foundation 10 cm	Foundation 25 cm

*with Ref. D.M. LL.PP. 4 May 1990

The base surface is to be made up of stabilised, well-levelled, rolled and compacted crushed stone.

Suggested features of the concrete R_cK ≥ 250 Kg/cm²

NOTE : Using suitable additives as glass or metallic fibres, it is possible to help along the resistance and compactness of the cast.

Range of uses

- Building Car Parks & Parking spaces – public, private, commercial, sporting, educational & industrial.
- Driveways – public, residential & commercial.
- Used at the border of train rails and bus ways.
- Used along roadside as verges.
- Walkways, small paths, courtyards, squares, outdoor landscaping.
- Alfresco living areas – BBQ & patio.
- Stabilisation of canals and banks.
- Helipads and Caravan Parks.





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