



DRAINBOX®



Permeability: $\geq 900 \text{ l/(s}\cdot\text{ha)}$
corresponding to a rain
 $\geq 324 \text{ mm/h}$



Run-off coefficient - Cd: 0.25
(with appropriate
draining substrate)



Certification: available on
page 62



Certifications and test reports can be consulted and
downloaded at www.betonella.com

Gransasso, unlike normal grid items, limited by their size and the specific intended use, combines the advantages of a great interlocking system to high drainage ability, equal to $1000 \text{ l/(s}\cdot\text{ha)}$, (360 mm of rain in 1 hour), obtained thanks to the innovative shape of its spacers.

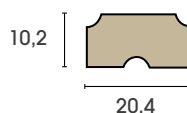


Suitable to slow vehicular traffic with total loads up to 35 ql., access roads to residential areas, car parks, occasional traffic of car service-related, roads with medium traffic, service station.



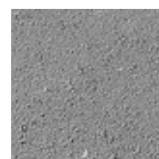
With appropriate substrate, Drainbox of 9 cm, is suitable for traffic of heavy vehicles with speed lower than 30 km/h, urban roads with heavy traffic, industrial areas of storage and goods handling.

Sizes cm:



Thickness:	7 cm	9 cm
Weight:	140 kg/m ²	180 kg/m ²
Drilling percentage:	10%	10%

Colours:



qrz mixed grey



qrz mixage

TECHNICAL CHARACTERISTICS (UNI EN 1338) with which Drainbox 9 complies

Characteristic indirect tensile strength for cut:	$\geq 3.6 \text{ MPa}$
Cut ultimate tensile strength for unit of length:	$\geq 250 \text{ N/mm}$
Slip resistance:	Passing
Abrasion resistance:	Class 4 marking I
Durability - water absorption:	$W_a \leq 6\%$ class 2 marking B
Draining capacity:	$= 900 \text{ l/(s}\cdot\text{ha)}$; = 324 mm of rain in 1 hour

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ITEMS SPECIFICATIONS

Flooring in double quartz layer concrete draining paving, thickness 90 mm of rectangular shape, with drawing sizes of 204 mm x 102 mm. On the two corners adjacent to the long side, a 25 mm radius emptying is foreseen and likewise in the centre of the long side opposite to the previous one. These emptying, once the paving stones have been placed next to each other, form a continuous network of holes, passing through the pavement, 50 mm in diameter which, specially filled with 3-5 peat during the laying phase, guarantee a total drainage of the paved surface during atmospheric rainfall.

On each of the 4 sides there are 2 mm deep through spacers that allow the blocks to be laid, guaranteeing an equidistance between adjacent elements and consequently a constant thickness of the joint. The draining capacity of a Drainbox flooring is 900 l(s·ha).

The surface finishing layer of the block is produced with concrete prepared with siliceous, crushed and/or natural aggregates with a grain size of 0 to 3 mm.

The intrinsic and performance characteristics must comply with UNI EN 1338 standards.

In particular, they must comply with class 4 marking I relating to Abrasion Resistance.

The manufacturer must guarantee the control of the quality characteristics required by the standards with a Process Certification (UNI EN 9001:2015) issued by an accredited institution.

LAYING RECOMMENDATIONS

Said blocks will be installed on an adequate load-bearing and draining substrate, interposing a laying overlay, which in order to facilitate the permeability of the flooring, will be made 30-50 mm thick using crushed crusher stone of 3-5 or 4-6 mm granulometry, washed and of high mechanical resistance. The sand for sealing the joints must be of alluvial origin or washed from the crushing of healthy and resistant rocks, grain size 0.8-2 mm, free from silt and clay; it will be laid after having saturated the through holes with crushed stone.



DRAINING LINE

TEXTURES OF LAYING

