

**PAVIMENTI SOPRAELEVATI
IN ECOSTONE /**

ECOSTONE RAISED FLOORING

FORMATO / SIZE 40X40

- **LASTRE / TILES 40X40X3 CM**
- **STRUTTURA PER AMBIENTI INTERNI /
*STRUCTURE FOR INDOOR FLOORING***
- **STRUTTURA PER AMBIENTI ESTERNI /
*STRUCTURE FOR OUTDOOR FLOORING***

INDOOR RAISED FLOORING STRUCTURE

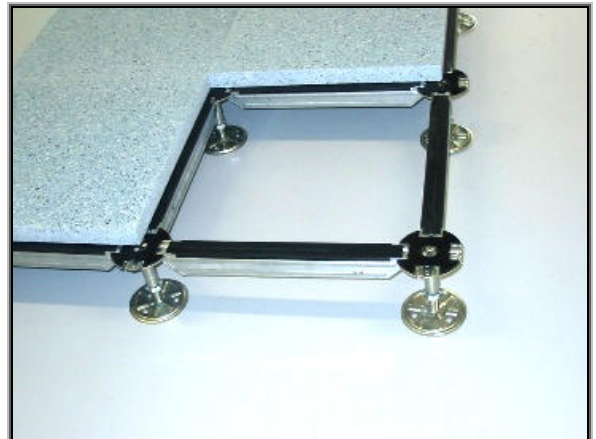
SIZE 40 x 40 cm, thickness 3 cm

Ecostoner is the line of material ideal for the design and creation of access floor and large areas with prestigious aesthetic appearance and particularly suited for managerial, public and private offices.



In raised floors, we have to pay attention not only to the aesthetic features of the upper surfaces, but to the technical ones too, depending, for the most part, from the raising structure.

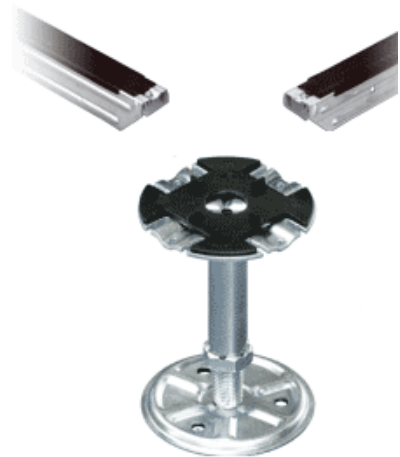
This structure, consisting of height-adjustable pedestals and eventually stringers, sustains both panels and their load, providing at the same time the technical spaces needed for the passage of cables, pipes and various other.



Pedestals

Pedestals with head in zinc-coated pressed steel (thickness 3mm); Head upper seal and zinc-coated steel M16 sleeve / Head upper seal and zinc-coated tube D20 mm (thickness 2 mm). Suitable ribbed base in zinc-coated pressed steel (thickness 2mm).

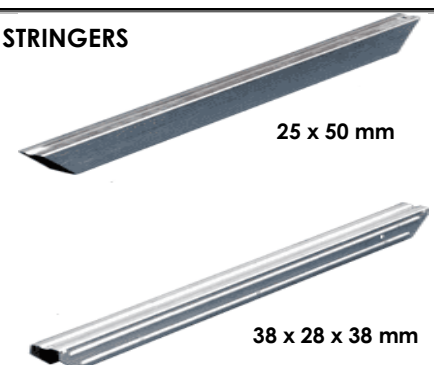
Dust-proof and sound-proof head upper **seals** for pedestals. Available in antistatic, conductive and autoextinguishing PE.



Stringers

Stringers in zinc-coated pressed steel with open section (thickness 1 mm) which dimensions are: nominal length 400 mm width 28 mm, height 38 mm. The 25 x 50 mm tubular stringer is best suited for heavy loads.

STRINGERS



SEALS FOR STRINGERS

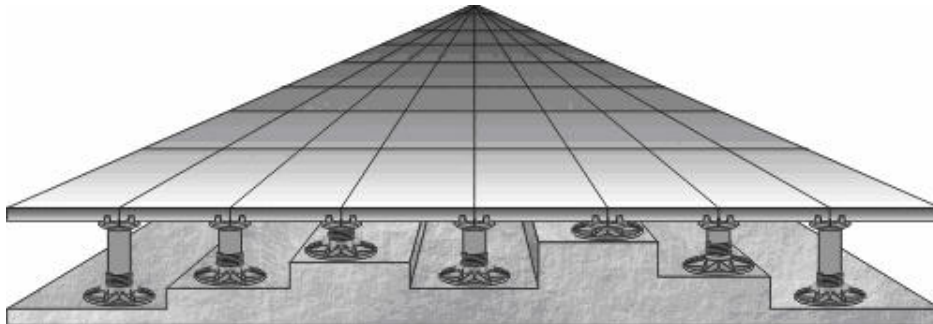
Sound-proof and dust-proof **seals for stringers**. Available in antistatic PE in bituminized feltpaper autoadhesive strips.



OUTDOOR RAISED FLOORING STRUCTURE

SIZE 40 x 40 cm, thickness 3 cm

1. JACK SUPPORTS



Application





Jack Support has been studied to lay each kind of floor on all types of surfaces (indoor or outdoor); in this way it allows to inspect under the different equipments without making any demolition. The external laying has prevalently the function to protect the waterproofing surface and makes the terrace practicable. It produces a ventilate interspace which helps the isolation of the cover. The internal laying produces an interspace for the passage of every kind of pipeline (electric or hydraulic).

Basic reasons to choose the JACK SUPPORTS:

1. Compatibility with each kind of floor (Washed gravel slabs - marble slabs - granite slabs etc..) The compatibility with each kind of floor is possible thanks to the possibility to modify the head of Jack support in such a way as to fit it with all types of floors, also for those which already exist.
2. Easy inspection without any demolition Inspection is possible without any demolition as the floor is just laid on the support.
3. Final flooring -levelling The perfect final flooring-levelling is possible thanks to the nut with inside threading which allows movements at millimetre in height.
4. Passage below of different equipments The passage for tubes, electric, hydraulic lines etc., is possible using the different kinds of screw, starting from a minimum height of 37 mm to a maximum height of 220 mm.

Joining together only bearing base with head you obtain two supports with a fixed height of 25 and 35 mm. In this case, laying can be made exclusively on already levelled-surfaces.

Elements which compose the JACK SUPPORT:

	<p><u>BEARING HEAD:</u> The head with a 120 mm diameter is to be fitted on the ADJUSTING SCREW. It has 4 separating with 2 mm thick which can be easily cut to allow their application in corners and along edges. On the inferior site, both heads have some ribs which increase their resistance to the load. The superior surface of the head has some grooves which act as shock-absorbers of the flooring's slabs.</p>
	<p><u>ADJUSTING SCREW:</u> There are 7 kinds of ADJUSTING SCREWS which allow to change gradually the height in order to obtain a perfect final flooring-levelling. The minimum height is 35 mm and the maximum one is 220 mm. Inside of each screw there are some grooves of support which assure a better resistance, even at the highest screws.</p>
	<p><u>NUT WITH INSIDE THREADING:</u> The nut allows an adjusting at millimetre in height of the Jack-support, in this way it assures a perfect final flooring-levelling. The nut has some tongues to make easier the adjusting during supports' laying.</p>
	<p><u>BEARING BASE:</u> The base has a 205 mm diameter. In the middle it is concave allowing a more rational support.</p>

Assembly example

IMPORTANT

The assembly is made threading the NUT on the SCREW and not vice versa.

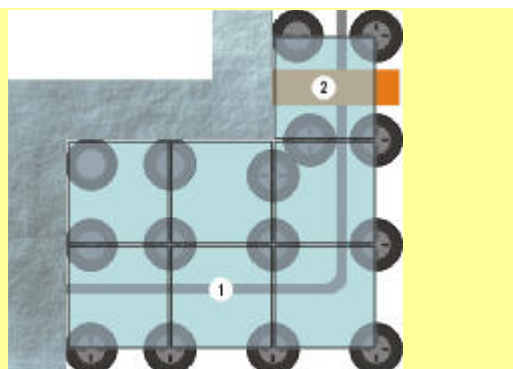
In fact the screw has a brake which avoids its exit from the NUT during the adjustment at the maximum height.

Then both NUT and SCREW have to be laid on the bearing BASE and at the end the head has to be drove on the screw.



Laying example

1. Passage of electric installation
2. Passage of hydraulic installation



Technical data:

The polypropylene supports can be laid with temperatures from 0 °C to 40 °C. This material is particularly resistant to sudden temperature changes, it resists acids and alkaline and atmospheric agents.

1. The base has been studied exploiting the principle of pre-absorption of loads.
2. In fact on the inferior site, the base is not straight but concave. This concavity allows to be more resistance as it absorbs each load.
3. Moreover on the inferior site, the bearing base presents some grooves of anchorage and it is rough; that means it is anti-slip for a better laying in outdoor ambient with "high" pedestrian crossing.
4. The ribs of the bearing base and the border of support increase the resistance to compression because in this way loads are well-distributed on all surface.

In any case there is the possibility to produce the head with central kerfs to fit it to each internal flooring.

All JACK-SUPPORTS have been subjected to resistance tests.

The dates mentioned on the certificates make reference to the minimum resistance values.

HIGH-RESISTANCE TO LOADS

All kinds of JACK-SUPPORT are guaranteed to support concentrated loads of 400 kilos each. When load is uniformly distributed, Jack-Support guarantees a supporting of 1.600 kilos/sqmt for slabs 50x50 cm and of 2.500 kilos /sqmt for slabs 40x40 cm.

CHARACTERISTICS OF THE MATERIAL

Material used to produce these kinds of items allows indoor and outdoor laying in normal atmospheric conditions and all technical-physical and mechanical properties are maintained in the long-term.

LAYING'S PARTICULARS

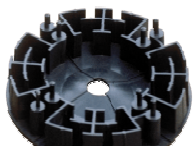
To obtain a perfectly laying near corners or small walls, it needs to divide 2 or all 4 separating of support's head. When laying is near edges it needs to move the position of Jack-Supports away from the wall.

As the laying surface cannot be always smooth, we recommend the use of graders to obtain a perfectly laid flooring.

2. FIXED SUPPORTS



BF H 17 SP4



BPS H 19 SP 4



BP H 12 SP 4



BF H 14 SP 4



PVC D 150 H 5



LEVELLER H 3,0

Application:

Our fixed supports for prefabricated flooring are designed to raise the washed gravel slabs so that the roof slabs may be aired and leave easy access for inspection.

Design:

They have a bearing base with a central perforation so that they may be easily adapted to the flooring that is laid.

Characteristics:

They are made of a single piece which is easily divided into four parts, depending on the type of flooring to be laid:

- remove 1/4 with edges;
- remove half against walls;
- remove 3/4 for corners.

The supports have four spacers to enable you to make a straight joint between slabs.

Laying:

When laying prefabricated slabs, surface irregularities must be accounted for, we recommend the use of graders to obtain a perfectly laid flooring.

The graders can be used to account for deformations in the slabs and for irregularities in the surface being laid, for example close to overlapping in the roofing material.

The slabs can be easily laid with the help of the slab-carrier, which can be regulated from 30 to 50 cm in 5 cm steps.

Technical data:

The polypropylene supports can be laid with temperatures from 0 °C to 40 °C. This material is particularly resistant to sudden temperature changes, it resists acids and alkaline and atmospheric agents.

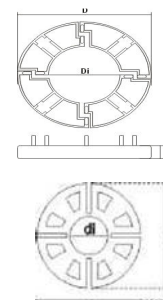
QUANTITY PER SQM:

Size of slabs	Supports / sqm t
cm 40x40	8 pieces ca. Exact quantity to verify by measuring at site

CARACTERISTICS:

SUPPORTS	RISE OF FLOORING	THICKNESS OF JOINTS	TEMPERATURE LIMITS
TIPO "BP h 12"	12 mm	4 mm	0 +40° C
TIPO "BF h 14"	14 mm	4 mm	0 +40° C
TIPO "BF h 17"	17 mm	4 mm	0 +40° C
TIPO "BPS h 19"	19 mm	4 mm	0 +40° C

DESCRIPTION	D	Di	H
Support BP h 12 sp 4	150	77	12
Support BF h 14 sp 4	154	82	14
Support BF h 17 sp 4	151	82	17
Support BPS h 19 sp 4.	145	18	19
LEVELLER H 3,0	150	54	3





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