

BLOCK LINE

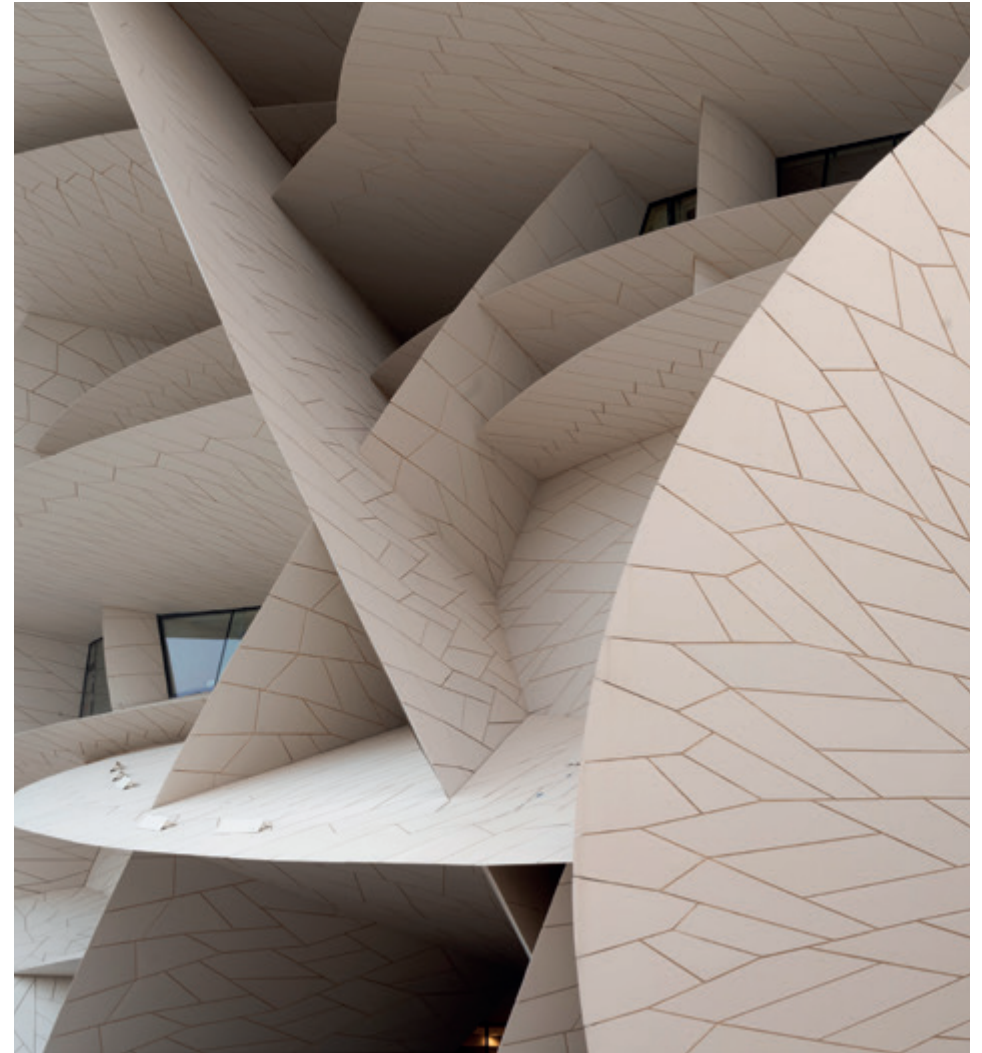
n e s i t e

The precision of interlocking

[Interlocking] an assembly not subject to movement or instability; a coordinated connection of two or more elements in order to extend, connect and reinforce them.

A precise fusion of structural elements that allows to obtain a solid and resistant unit: this is our Blockline system, where the joint combines technical competence and aesthetic vision in a hidden three-dimensional puzzle, where each element converges in a functional balance, in the beauty of the final work.

In the design premise there is the desire to create a solution that lasts over time, capable of counteracting errors and intense stresses on the surface, preserving symmetry, flexibility and accessibility.





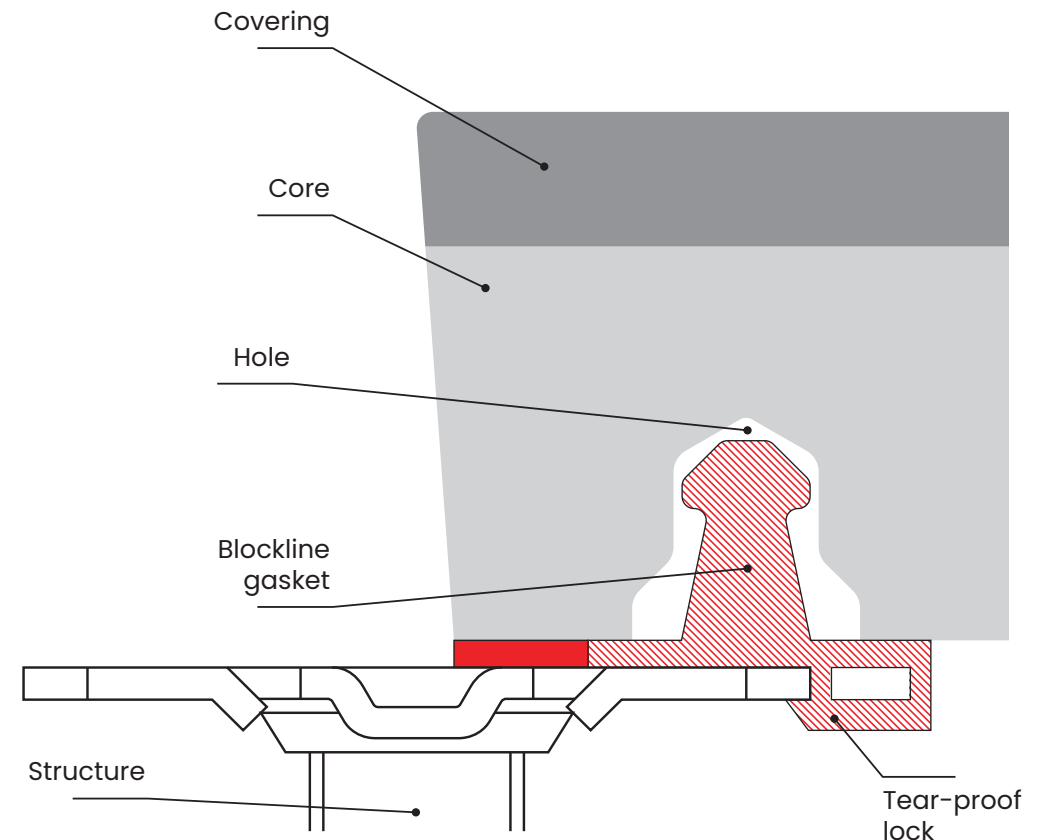
The system

Blockline is a patented raised floor system that fixes the placement of the panels on the structure.

The distinctive feature of the system is conferred by the head gasket of the pedestal, a connecting element equipped with four special pins, which fit into the holes drilled at the bottom of the panel ends. The result is a particularly solid and high-performance solution, effective even in the case of vertical and undulating movements.

System components:

- head gaskets;
- panels with customised holes;
- pedestals;
- stringers.



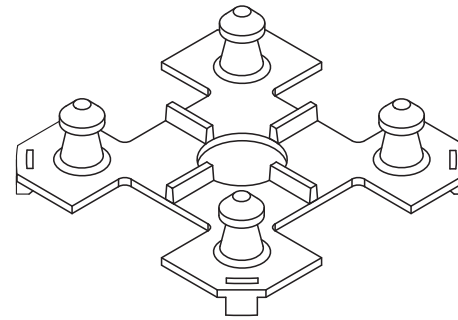
Blockline system (section view)

Specifications

The Blockline system is distinguished by the head gasket of the pedestal, designed to receive the individual panels through a hole-pin joint, whose patented shape increases the contact surface, enhancing overall strength and stability.

The positioning of the gasket on the column then makes use of a special anti-tear lock system, which prevents it from being displaced when the panels are lifted, resulting in precision during repositioning.

Made of thermoplastic material, the gasket is compatible with structures without stringers and/or with light, medium and heavy stringers.

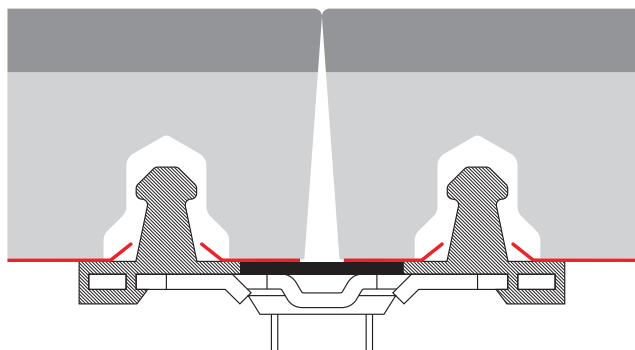


Blockline gasket

Blockline Plus

The Blockline Plus version proposes an evolution of the system, directly related to the physical characteristics of the gasket. In the Plus configuration, a panel with a steel sheet bottom finishing is used, which allows the holes to be integrated with raised flaps (clews).

Together with the particular shape of the pin, the crews further enhance the lock system, making it suitable even in earthquake-risk zones.



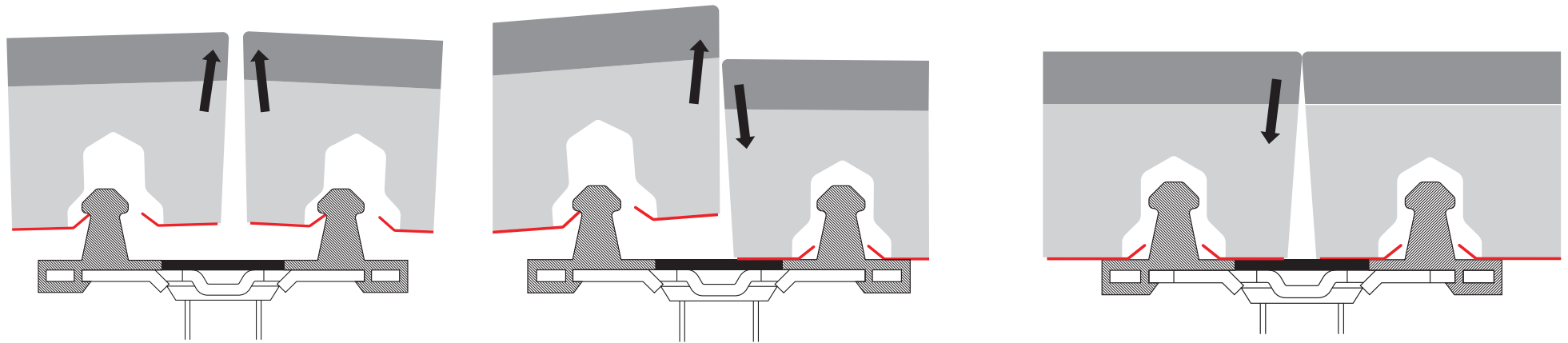
Blockline Plus system configuration with crews

BLOCK^{LINE}+



Function

Sequence of operation of the Blockline Plus system in case of seismic events



When vertical and undulating movements occur, the panels tend to come out of their seats. The shape of the pins on the gaskets together with the clews on the steel sheet prevent this.

The panels are reset in their initial condition

Applications

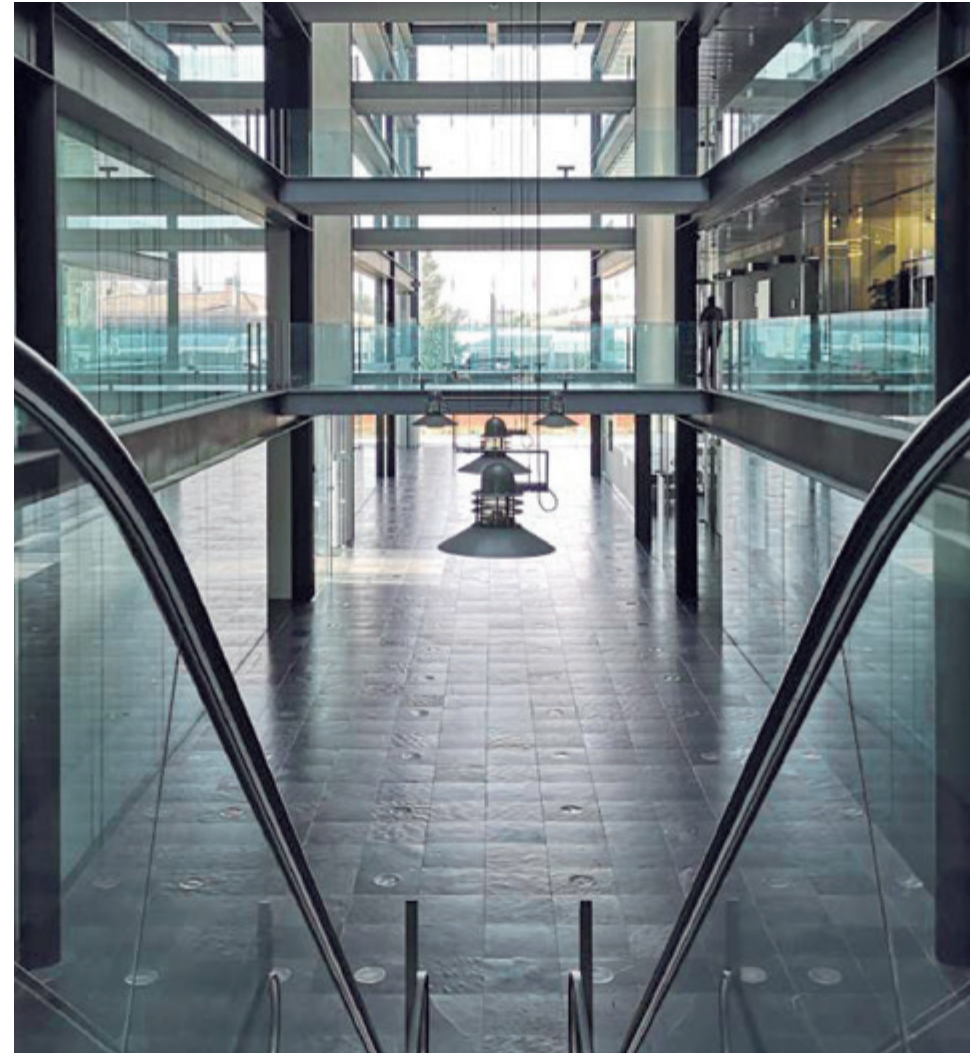
The traditional raised floor, produced within the dimensional tolerances of the reference standard and installed correctly, guarantees perfect system stability.

However, there are situations in which the system may be subject to numerous and/or continuous stresses, which may compromise the perfect alignment of the panels. For example, showrooms with frequent fittings and commercial spaces with several users and frequent maintenance.

In these cases, the Blockline system is the ideal solution because it guarantees the perfect union of the elements even in the presence of dynamic walking loads, without compromising the function of the raised floor.

Furthermore, in the case of seismic zones, the raised floor, considered a non-structural element, must continue to guarantee its functions even in the event of an earthquake. The system must therefore maintain its mechanical characteristics and supporting mesh, in order to guarantee a safe escape route during evacuation.

In the Blockline Plus version, the system becomes particularly suitable in earthquake-prone areas, as it significantly increases the stability of the floor.



Installation

The Blockline system installation must be carried out in the same way as the standard access floor. The mechanical coupling between panels and substructure does not require the use of any special tool.

Be careful in positioning the gasket on the pedestal correctly, by inserting the 2 pins of the first into the 2 holes of the second.

In the Blockline Plus version, during removal and quick access to the underfloor, a minimum of attention is required trying to lift the single panel perpendicular to the walking surface, so as to disengage it simultaneously at the 4 corners. It is due to the special patented shape of the hooks on the safety lock gasket that guarantee the effectiveness of the solution in presence of seismic movements.

Use 2 suction tools at the same time to remove each panel.

MAINTENANCE

Cleaning activities depend on the type of panel used in the system. Therefore, for the maintenance of Blockline, it is essential to consult the specific sheet of the chosen covering, provided by Nesite.



Sustainability

In Nesite, sustainability is an integral part of the corporate identity and represents an important opportunity in the enhancement of the entire production ecosystem.

Thanks to the quality of the supply chain and processes, confirmed by the most authoritative international certifications, Nesite raised floors meet the environmental criteria of the main green building protocols. Its concrete and constant commitment to reducing its environmental footprint has led the company to consolidate itself as a reference partner in certified high sustainability projects.

The Blockline system fits perfectly into Nesite's sustainability policy, representing an ideal solution for the rehabilitation of existing floors.

This approach allows for the re-use of materials and extends the life of the flooring, promoting a more efficient use of resources.



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n e s i t e

TRANSPACK GROUP SERVICE S.P.A.

Production

via dell'Industria 19
35028 Piove di Sacco (PD)
+39 049 8072536

Showroom Padova

via S. Marco 11
35129 Padova (PD)
+39 049 8072536

Showroom Milano

viale T. A. Edison 50
20099 S.S. Giovanni (MI)
+39 02 83595156

nesite.com