

nesite

raising your projects

# Twin Floor Outdoor



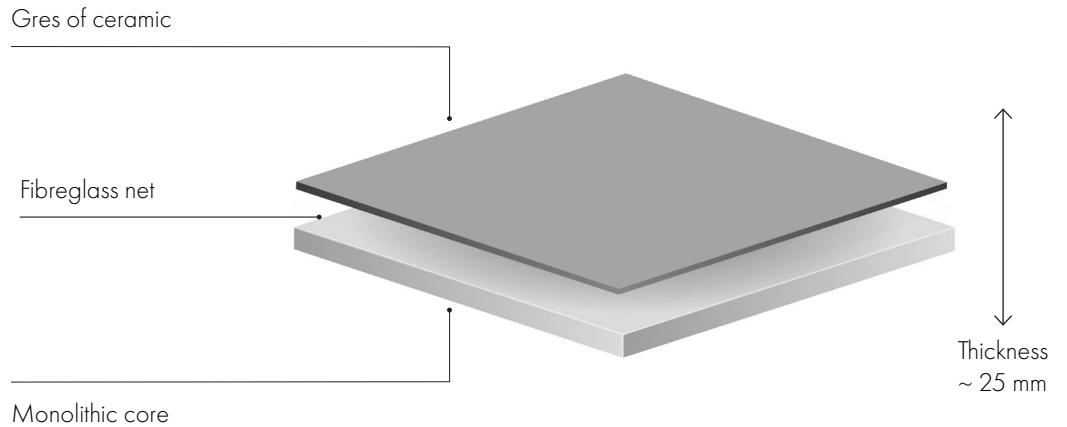
# Twin Floor Outdoor

TWIN FLOOR panel is characterized by the coupling of the gres or stone top finish by a specific adhesive with a reinforcing 15 mm thick layer made of a homogeneous and fibre-reinforced structural core, whose density is 2.200 Kg/m<sup>3</sup>.

This support is completely made of recycled components that are pressed and sintered at very high temperatures; the result is a product with very high mechanical performance that ensures dimensional stability against damp, water and temperature changes.

The panel will thus have a total thickness of 25 mm. It can be made without bevel or with a slight chamfer.

The special cut-cone shape of the panel's perimeter facilitates the rainwater draining and the damp rising. Ideal for public spaces' interior atria, high traffic or particularly valuable terraces.



Also available the indoor version with ABS edgetrim 0.6 mm thick.



## Advantages

With Twin Floor you can:

- **Easily and quickly inspect the underfloor plenum** in case of repair of the insulating coating and consequently save costs of demolition and refurbishment of slabs and finishing materials, as well as save time during repair intervention.
- **Improve the thermal insulation**, thanks to the plenum between the raised floor and the slab.
- Ventilate the plenum with consequent elimination of damp and of radon gas.
- **Drain water**, making the floor dry and safe immediately.
- **Lay the floor faster** than with traditional floor and consequently time saving. The absence of floor's settling time eliminates the risk of water infiltration into the slab.
- Avoid making the screed above the coating and gluing the finishing materials, with consequent money saving.
- Avoid using chemical and concrete adhesives. **Twin Floor's components are eco-friendly.**

## Technical details



Fire reaction class	1
Electrical resistance	$\leq 2 \times 10^9$ ohm
Acoustic insulation	$\geq 38$ db
Density	2200 Kg/m <sup>3</sup>
Dimensional change (after 24 hours immersion in water)	0%
Weight of panel 60x60	$\pm 20,5$ Kg
Weight of floor per m <sup>2</sup>	$\pm 58$ Kg
Specific heat	455,30 $\pm$ 67,73 J/Kg <sup>o</sup> K
Thermal conductivity *	0,3741 W/mK
Thermal resistance R	0,0668 m <sup>2</sup> K/W
Dynamic stiffness	379,34 MN/m <sup>3</sup>
Concentrated load (outdoor version)	550 Kg*
Distributed load (outdoor version)	1.500 kg/m <sup>2</sup> *
Concentrated load (indoor version)	650 Kg*
Distributed load (indoor version according to the substructure)	1.500/2.500 kg/m <sup>2</sup> *
Sound absorption (average value real part between 50 and 6300 Hz)	$\lambda$ 0,025
Acoustic impedance Z (average value real part between 50 and 6300 Hz)	27,6
Acoustic admittance A (average value real part between 50 and 6300 Hz)	0,01
Acoustic reflection (average value real part between 50 and 6300 Hz)	0,99
Frost resistance	Excellent
Thermal shock resistance	Excellent

\* empirical tests in the factory



## Outdoor substructure

The substructure is composed of plastic supports in two main versions:

- Non-adjustable supports, composed of a single piece with fixed height from 12 mm to 19 mm. They are characterised by four tips that allow to realize the gap between the panels. The plastic material is particularly resistant to thermal shock, sour and basic solutions and weather agents.

- Adjustable supports, composed of a jack head threaded in its bottom part. The base is concave on the bottom and has a non-slip surface. The side holes allow water draining. The ring nut allows an easy and perfect height regulation and ensures a perfect final levelling of the floor. livellamento finale della pavimentazione.

### Available heights for outdoor substructure

Non-adjustable supports H25 mm

Non-adjustable supports H35 mm

Adjustable supports H 35-50 mm

Adjustable supports H 50-70 mm

Adjustable supports H 65-100 mm

Adjustable supports H 95-130 mm

Adjustable supports H 125-160 mm

Adjustable supports H 155-190 mm

Adjustable supports H 185-220 mm

Adjustable supports H 115-220 mm

Adjustable supports H 215-320 mm

Adjustable supports H 315-420 mm

Adjustable supports H 415-520 mm

Adjustable supports H 515-620 mm



## Finishings

The Twin Floor can be made with any type of porcelain gres. It is possible to realize non-standard formats.

The top finish can be natural or polished, "bocciardato", "cordato" or "lappato".

Our Technical Service can, where necessary, assist the designer with advice on regulatory, functional and structural aspects of the raised floor.

## Company

NESITE, brand of Transpack Group, is the reference point in the raised floor sector.

For 50 years the company's goal has been offering solutions that can satisfy both the technical and aesthetic requirements, "elevating" the floor from a purely technical system to a furniture that can be a key element of the space where it is installed.

Hence the innovative drive of the company, that over the years has developed highly customized products for complex and prestigious international projects, combining the typical flexibility of the artisan company with the professionalism and production capacity of the big industry.

Thus a tailor-made raised floor is born, rigorously made in Italy, created according to specific requests in compliance with the project lead time.



**n e s i t e**

raising your projects

**Transpack Group Service S.p.A.**

Via San Marco, 11

35129 Padova (PD)

Production Unit

Via dell'Industria, 19

35028 Piove di Sacco (PD)

Tel. +39 049 8072536

nesite@nesite.com

nesite.com