

FRESHHOT

It's an insulating packet consisting of a **Sintered Expanded Polystyrene (EPS)** with closed-cells Marked IIP-UNI, according to UNI EN 13163 rule, Euroclasse E about Reaction to Fire, with precast floor finish.

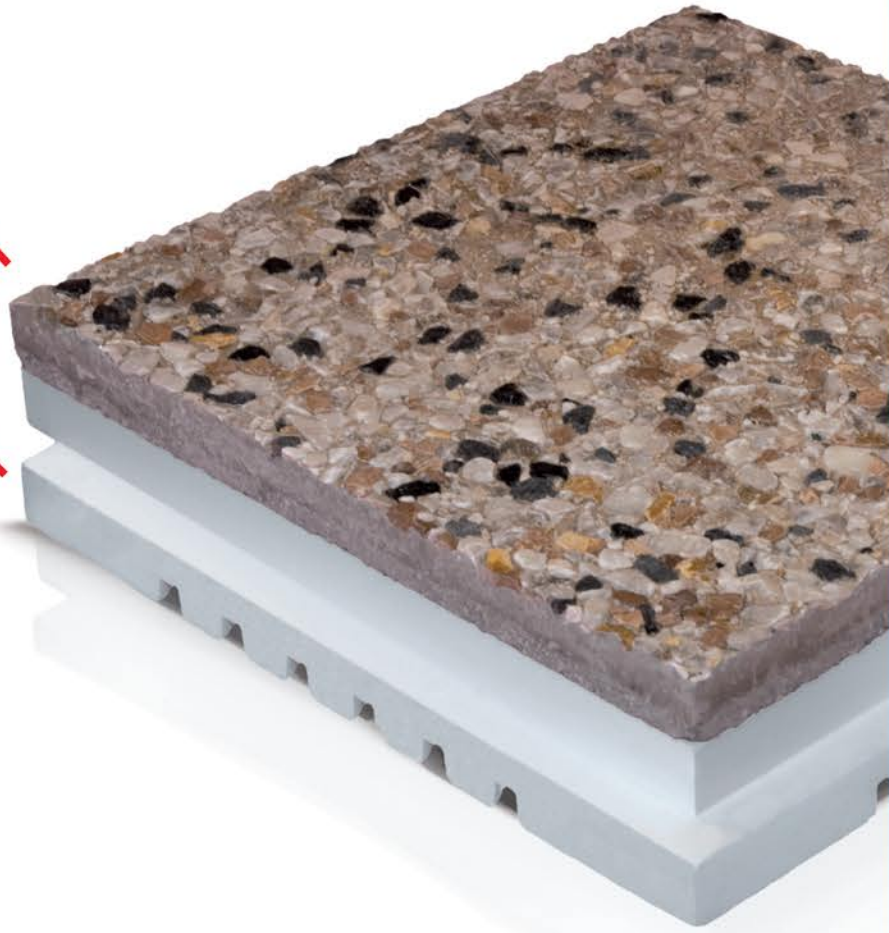
The panel has a dimensional shape easy to put on, and tanks to EPS **insensitivity to humidity**, perimetric swings of overlap granting **elimination of thermal bridges** and bottom grooves, it's possible to get a very effective **thermal insulation**, avoiding water stagnation under the panels in contact with waterproofing mantle.

TECHNICAL SPECIFICATIONS

THICKNESS		EPS 200		RES. A COMPRESSION CS (10)		PANEL SIZE
min	finish/isolante	Weight/sq.m	Thermal Res.	EPS 200	> 2,00 Kg/cm² > 2,00 q/sq.m	mm. 400x400
97	37/60	Kg. 75/80 approx	R ₀ = 1,75 m² K/W	CAPILLARITY WATER ABSORPTION		
117	37/80	Kg. 75/80 approx	R ₀ = 2,35 m² K/W			
137	37/100	Kg. 75/80 approx	R ₀ = 2,90 m² K/W			
157	37/120	Kg. 75/80 approx	R ₀ = 3,50 m² K/W			

TILE

SINTERED EXPANDED POLYSTYRENE (EPS)



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EPS
UNI EN 13163



ciso



ISO 9001:2008
ISO 14001:2004
AFNOR CERTIFICATION

04/05

FRESHHOT
INSULATING COVER



PRECAST FLOOR FINISH WITH POLYESTER FOAM INSULATING PANEL

PLUS

MICROVENTILATION

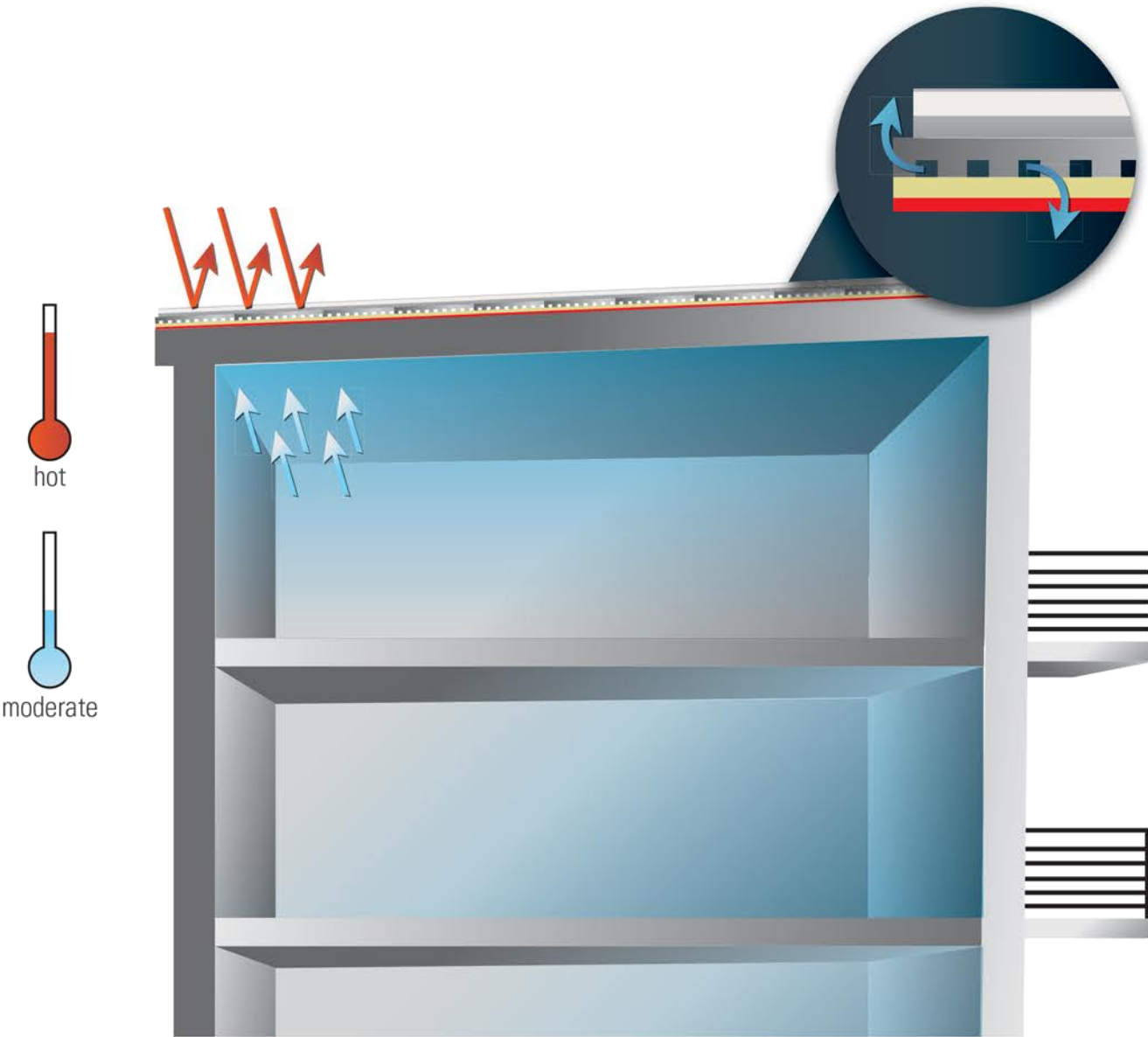
The space between the sheath and the floor allows air to pass through the grooves at the bottom

THERMAL INSULATION

Thanks to microventilation the outside temperature does not affect homes interior

ENERGY SAVING

By keeping a perfect thermal balance it allows significant cost saving



ADVANTAGES

BEST THERMAL INSULATION:

the high insulating capacity of expanded polystyrene EPS 200 and its insensitivity to moisture ensures an excellent insulation.

EXTREME WORKABILITY:

it's possible to cut and adjust in size as a conventional floor.

IT PROTECTS THE WATERPROOFING MANTLE:

the temperature under the panels FRESH HOT will never reach too much low or too much high levels, granting long duration to the mantle.

LOW WATER ABSORPTION:

Sintered Expanded Polystyrene has a water absorption VOID by capillarity and by immersion of 2,0% in volume (which case never occurs in FRESH HOT use since the water flows out mainly on the precast finish floor and secondly under it, thanks to its "little feet" shape).

IT AVOIDS WATER STAGNATION:

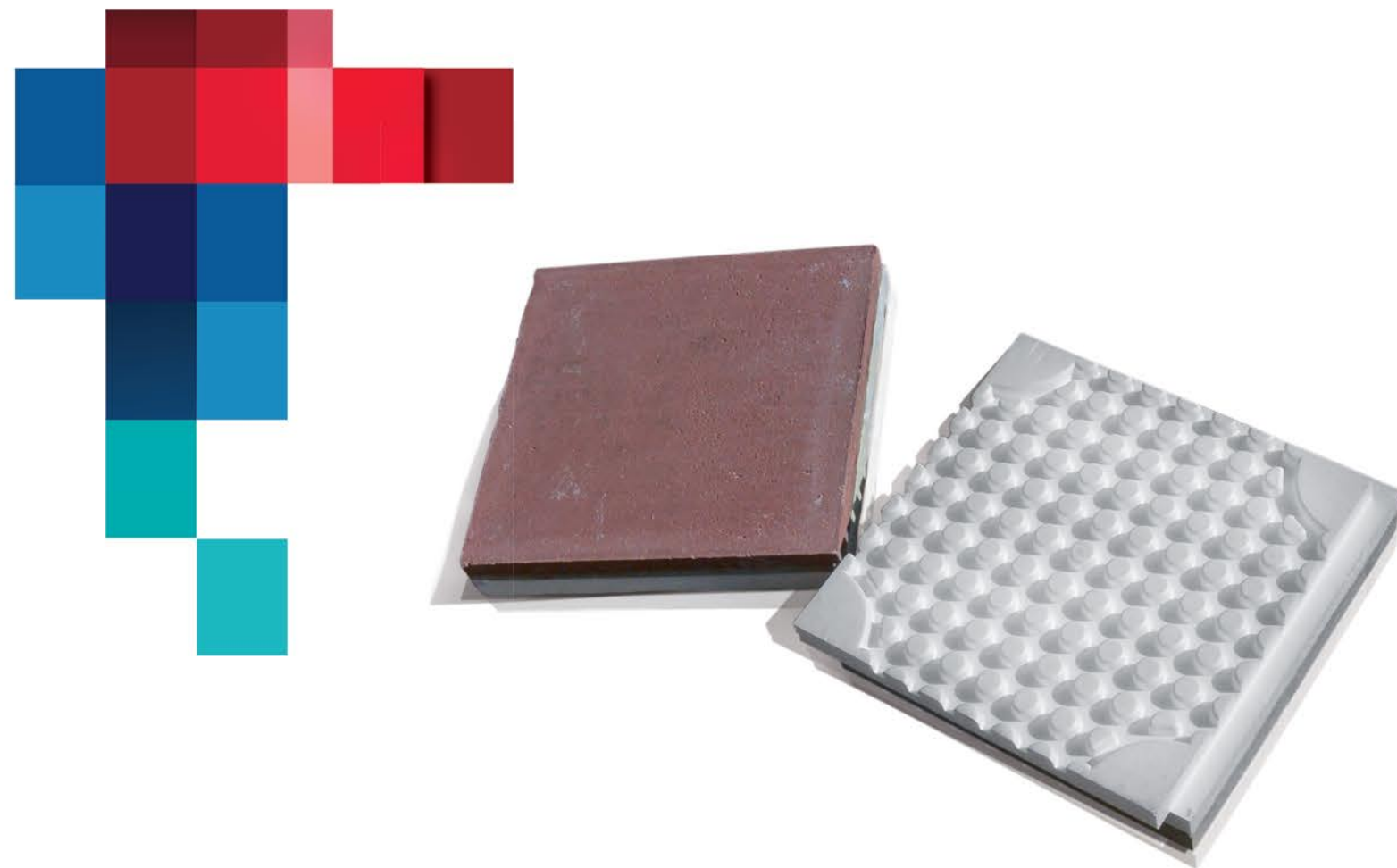
the groove shape at the bottom of the panel FRESH HOT lets eventual water infiltration between the panels reach the flow out-channel without any stagnation between the panel and the waterproofing mantle.

ACOUSTING INSULATION:

panel FRESH HOT born not as a sound insulator, but its mass and its conformation by several layers in different materials helps to improve the sound insulation.

DURABILITY:

Precast floor finish grants an unlimited time protecting from direct UV rays while the EPS protects the waterproofing mantle, so eliminating the expansion and rapture problems. Therefore flooring will have no the problems caused by traditional systems.



IT LETS MAINTENANCE INTERVENTIONS:

pending maintenance interventions on the waterproofing mantle, the panel FRESH HOT can be easily moved for the time necessary to reparation, and after repositioned as originally.

REUSABLE:

if you change the intended use or the kind of surface covered by panels FRESH HOT, these can be removed and used in different places or buildings

NO BURDENING OF STRUCTURES:

The weight of the panel FRESH HOT (approx. 75/80 Kg/sq.m.) is lower than screeds and floor panels' ones, while maintaining panel high wind stability.

BEST FINISHING:

floor precast finish of panels FRESH HOT is aesthetically beautiful and guaranteed in time.

WALKABILITY:

panel FRESH HOT is perfectly walkable tanks to its mechanical resistance to compressive strength greater than 200 q. / sq.m.

LAYING



Panels FRESH HOT application is easy and fast. In general, they are laid dry directly on the waterproofing mantle, but if some differences in size or not perfectly planar surfaces occur, it's possible to use adjustable-height "little feet" (easy to be found on the market, since they're used for traditional external floor installation), cement compounds for panel fixing and smoothing the surface or shaping the lower part in EPS by yard tools

Panels must be laid paying attention to the right lower grooves position, in order to avoid any water stagnation in contact with the **waterproofing mantle**, and to a perfect panel matching. Close to windowsills and flow-out channels the panels must be shake by common yard tools. As the water mainly flows above FRESH HOT it's essential to **hole panels** in corresponding position of nozzles for water outflow, in order to avoid stagnation on the surface.

ADVICES

For a correct laying it's essential:

- a perfect realization of slopes and waterproofing
- clearing of supporting level.
- Placement of panels FRESH HOT paying attention to their perfect matching.
- Sectioning by common yard tools for fitting to surfaces, about nozzles for water outflow.
- Cleaning of surface by special products, avoiding solvents use.

