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QUICK^{2.0}
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INSTALLATION
WITHOUT
WORK

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TOOLS

What tools/accessories do I need to install Quick?

For the installation of Quick, only the following tools are required:

- **Tile cutter Ruby type:** for precise cuts on ceramic pieces.
- **Utility knife:** ideal for cutting the joining system and insulating mat with precision.

QUICK PRODUCT

Can it be installed outdoors?

Although technically it can be installed since the material is porcelain, due to varying outdoor conditions (covered or not, temperature, intensive use like garages, etc.), we prefer not to recommend its use outdoors.

Can it be stored outdoors?

No, Quick should not be stored outdoors, as it requires controlled conditions to preserve its quality. It is essential to avoid storing it vertically or in humid, dusty, very cold (below 5°C), very hot (above 35°C), or places with sudden temperature changes. Keeping it in a dry and stable environment will ensure it retains its properties until installation.

Is there anything special to consider for waste management?

The waste generated by Quick (composed of ceramic, rubber, and polymers) is classified as non-hazardous, as it does not produce leachates. According to the LER code 17 09 04 (construction and demolition waste not specified elsewhere), this waste:

- Cannot be considered inert due to the presence of rubber and polymers.
- Must be managed as non-hazardous waste, either by depositing it in authorized landfills or as fill material in civil works.

How much thermal expansion does Quick have?

It is important to leave an expansion gap of at least 8 mm to allow for natural material movement due to temperature changes.

Can the joining system support get wet?

Yes, the system support is water-resistant and has a moisture absorption rate equal to or less than porcelain, i.e., <0.3%.

Does Quick have different shades depending on the production batch, meaning different production lots should not be mixed?

Yes, the material's shade varies depending on the production batch, as it maintains the natural finish of ceramics. Therefore, it is not recommended to mix pieces from different batches.

What is the legal warranty on the product in general?

The warranty covers any production defects, under normal use conditions and with proper installation according to Pamesa Grupo Empresarial's recommendations. It is valid for three years from the product's delivery date.

INSTALLATION SURFACE

Does the floor need to be completely flat/leveled? What leveling tolerances are acceptable for installing Quick?

Leveling the subfloor is crucial for optimal results. Key recommendations include:

- The subfloor must be firm, stable, and free of damage.
- It should not have irregularities that could cause joint openings.
- A soft, loose, or floating base is not suitable for Quick installation.

According to the attached table, the correct values for installation should fall between "Very Flat" and "Super Flat."

Classification of Planimetry in Concrete Pavements

According to the ACI, randomly trafficked concrete pavements are classified as follows:

CLASSIFICATION	FLATNESS FF	LEVELNESS FL
Conventional	20	15
Moderately FLAT	25	20
FLAT	35	25
Very FLAT	45	35
Super FLAT	60	40

Does the floor need to be clean, or can it have some dirt?

It is essential that the floor be completely clean. Irregularities or dirt residues can cause installation issues, such as tile lifting or instability in the final finish.

Can it be installed over somewhat flexible materials, such as carpets or other floating floors?

No, installation should only be done on flat, stable, and non-flexible surfaces.

Can it be installed over mortar that still has some moisture, and what is the acceptable moisture limit?

No. Moisture levels must be within the recommended limits:

- Cement: $\leq 2.5\%$ CM (7% RH).
- Anhydrite: $\leq 0.5\%$ CM (50% RH).

- If underfloor heating is present:
 - Cement: $\leq 1.5\%$ CM (60% RH).
 - Anhydrite: $\leq 0.3\%$ CM (40% RH).

INSTALLATION

Is a perimeter joint required between the wall and Quick, and if so, how many mm?

Yes, a perimeter joint of at least 8 mm must be left to allow for material expansion.

How do I cover the perimeter joints?

With skirting boards specifically designed to cover these areas aesthetically and functionally.

What are the recommendations for expansion joint placement?

Standard ceramic recommendations should be followed, generally implying joints every 30-40 m², depending on the space's shape and size.

How do I cover these expansion joints?

Expansion joints are covered using specific profiles designed for ceramics.

Is there a percentage of waste when installing Quick?

Typical waste is between 7% and 10%, depending on the room's geometry and the complexity of the required cuts.

Can it be installed over underfloor heating?

Yes, Quick is compatible with underfloor heating systems, provided the recommended conditions are respected.

Does the underfloor heating need to be turned off during Quick installation?

Yes, the underfloor heating system must be turned off before and during Quick installation. It is essential that the floor temperature be between 18°C and 30°C to avoid material expansion or contraction issues.

Since joints are necessary, what type can be used?

Epoxy ceramic joints are recommended for their water resistance and durability.

Can it be used in wet areas like bathrooms with showers/bathtubs? Yes, it can be installed in bathrooms, but it is not recommended in areas with constant water exposure, such as showers or bathtubs without proper joints.

Is the installation waterproof, or can water seep under Quick and accumulate, causing mold?

The installation is not completely waterproof. In areas with constant water exposure, proper joints are recommended to prevent leaks and moisture accumulation.

Does temperature affect installation, e.g., extreme cold or heat, due to thermal expansion?

Yes, the ambient temperature during installation should be between 18°C and 30°C. Extreme temperatures (very cold or hot) can affect the material's thermal expansion, making proper fitting difficult and compromising the floor's stability.

Does Quick need to acclimate to room temperature before installation?

Yes, it is essential to let the material acclimate to the room's temperature where it will be installed. It should remain in the space for at least 24 hours before installation.

Can installation start from any side of the room, or are there other recommendations?

Yes, installation can start from any point in the room, as long as technical recommendations are followed, and perimeter and expansion joints are respected.

Can door frames rest on Quick, or do they need to be free?

Yes, door frames can rest directly on Quick without any structural issues.

Can heavy furniture be placed on Quick, or will it hinder movement due to expansion?

The material is designed to support weight without compromising its functionality.

Can Quick be installed on stairs? Do the pieces need to be glued in this case?

Quick can be installed on stairs, although it is not recommended due to the difficulty of making precise cuts and the fact that the assembly system may become visible, affecting the aesthetic finish.

Can it be installed on vertical surfaces?

No, Quick is not designed for installation on vertical surfaces.

Should Quick pieces be inspected before installation?

Yes, it is crucial to inspect all pieces before installation to ensure they are defect-free. This inspection should follow the packaging instructions.

Can Quick pieces be installed interlocked without limits?

Its innovative rail joining system offers complete versatility. It can be installed in any direction quickly and easily.

If a piece breaks, how is it replaced?

The replacement process is similar to that of floating flooring. Carefully remove the damaged piece and install a new one following the assembly system.

For both vertical and horizontal cuts, can a tile cutter be used?

To cut Quick's ceramic, a tile cutter is necessary. For the joining system and insulating mat, a utility knife is recommended.

Is a 5 mm perimeter joint sufficient?

No, the perimeter joint must follow standard recommendations for ceramic flooring, which generally require a minimum of 8 mm.

**If a floor already has underfloor heating, how does it heat if Quick is installed on top?
How long would it take?**

Quick-Ceramic is compatible with low-temperature underfloor heating systems, provided the contact temperature does not exceed 27°C.

Quick can be installed over:

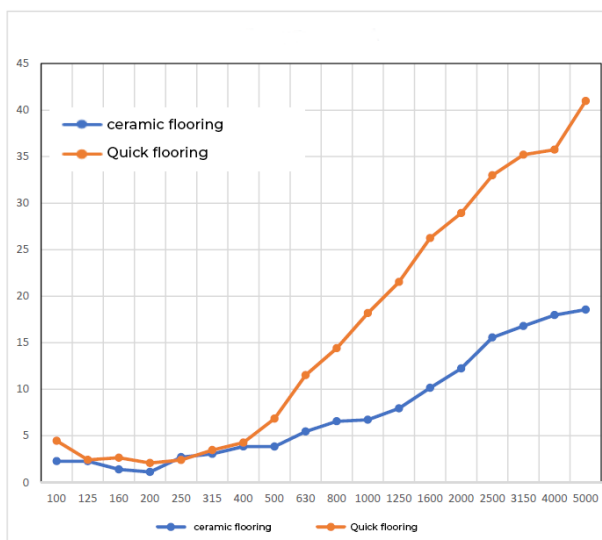
- Hot water systems:
 - Embedded in screeds (wet systems).
 - Placed on dry bases (dry systems).
- Electric systems:
 - Embedded in screeds (wet systems).
 - Placed on dry bases (dry systems).

It is essential to follow the underfloor heating provider's instructions and current regulations to ensure proper installation.

What level of acoustic insulation does Quick Ceramic provide in decibels?

Quick Ceramic offers better acoustic insulation compared to conventional ceramics. While traditional ceramics provide a reduction of dL 12 dB, Quick Ceramic achieves a reduction of dL 18 dB.

	ΔL (dB)	ΔL (dB)
Hz	Ceramic	Quick
100	2,27	4,46
125	2,27	2,42
160	1,39	2,64
200	1,11	2,08
250	2,70	2,40
315	3,05	3,46
400	3,85	4,27
500	3,84	6,84
630	5,46	11,52
800	6,56	14,41
1000	6,72	18,19
1250	7,94	21,53
1600	10,15	26,24
2000	12,23	28,93
2500	15,56	32,99
3150	16,79	35,20
4000	17,97	35,74
5000	18,56	40,97



CLEANING/MAINTENANCE

Can Quick be cleaned with water, or will water seep into the joints?

Yes, cleaning is identical to that of ceramics, as it is a porcelain floor with grout, just like in traditional installation.

SAVINGS

How much is saved by installing Quick compared to traditional installation?

According to the attached table, the savings with the Quick system are around 30% compared to traditional installation.

	CONVENTIONAL SYSTEM (FLOOR 90M2)				QUICK CERÁMICA SYSTEM (FLOOR 90M2)			
	RRP	UV	QUANTITY	AMOUNT	RRP	UV	QUANTITY	AMOUNT
CERAMIC PRICE CRONOS 60X120	16,95	€/M2	90	1.525,50 €	39,95	€/M2	90	3.595,50 €
AVERAGE COST OF OLD CERAMIC DEMOLITION	15	€/M2	90	1.350,0 €				
AVERAGE INSTALLATION COST	42	€/M2	90	3.780,00 €	15	€/M2	90	1.350,00 €
PORCELAIN ADHESIVE H40 KERAKOLL 20KG	14,35	€/BAG	15	215,25 €				
SELF-LEVELING WEDGES	50	€/BAG 1000 WEDGES	1	50,00 €				
OTHER COSTS (PERMITS, WASTE MANAGEMENT, ETC.)								
GROUT	9,55	€/BAG	5	47,75 €	9,55	€/BAG	5	47,75 €
TOTAL AMOUNT				6.968,50 €				4.993,25 €
SAVINGS: 28,35%								