



# SEAMLESS JOINT PAVING TECHNOLOGY



A Handbook For The Installation

简一® 大理石瓷砖  
GANI MARBLE TILES



**900x1800mm**

**CONTINUOUSLY · UNINTERRUPTED · INFINITE**

**Best Performance with 0.7mm Seamless Joint Paving**

Seamless joint paving can enhance the effect of connected veins of GANI 900x1800mm products, providing the beauty of natural stone.





**Gani Seamless Joint Paving**





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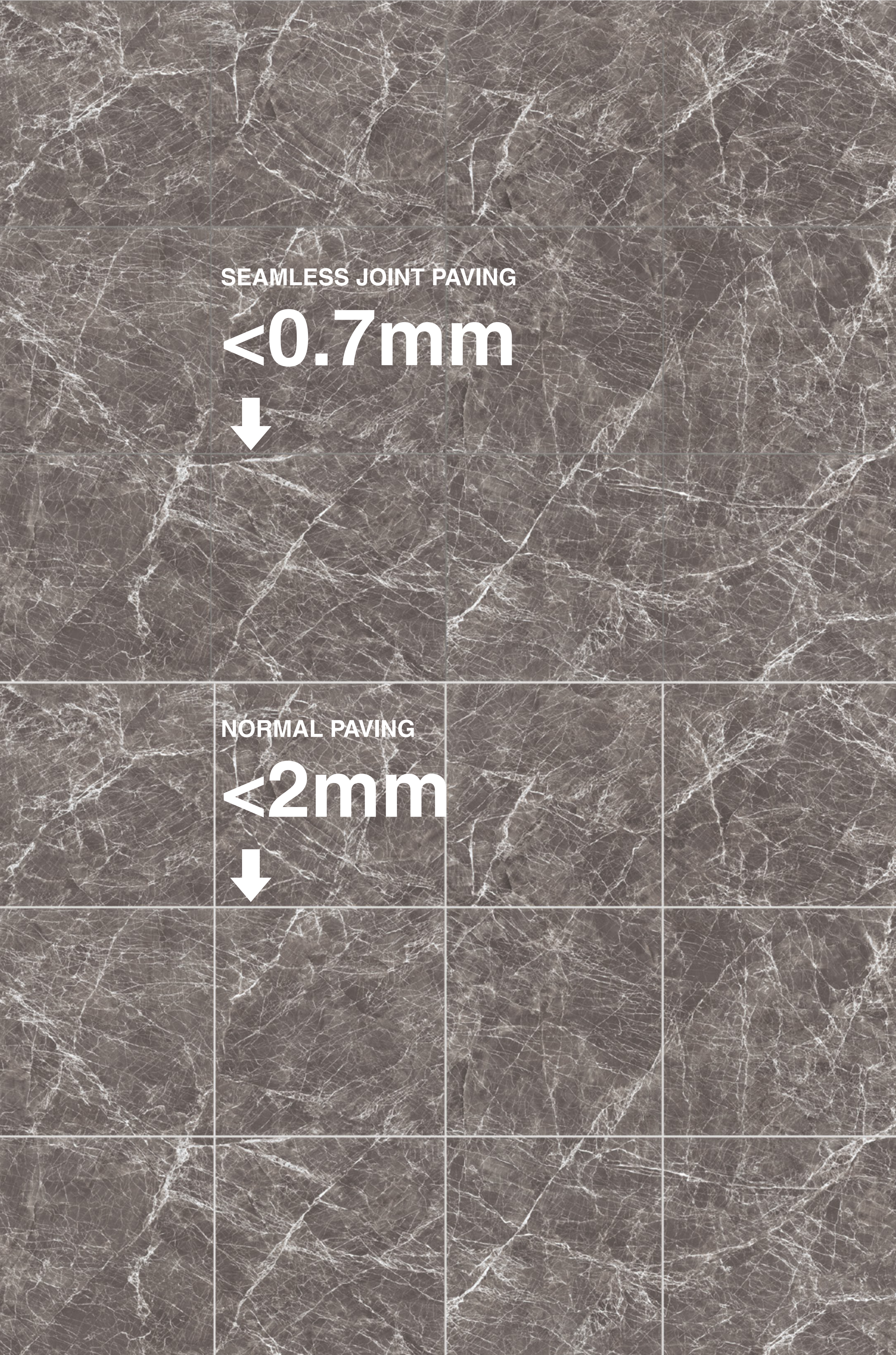




**Gani Seamless Joint Paving**



# SEAMLESS JOINT PAVING FOR EASY CLEANLINESS



SEAMLESS JOINT PAVING

<0.7mm



NORMAL PAVING

<2mm







↑ SEAMLESS JOINT PAVING **VS** ↓ NORMAL PAVING EFFECT







↑ SEAMLESS JOINT PAVING VS ↓ NORMAL PAVING EFFECT







↑ SEAMLESS JOINT PAVING   **VS**   ↓ NORMAL PAVING EFFECT







↑ SEAMLESS JOINT PAVING **VS** ↓ NORMAL PAVING EFFECT





# WHAT IS SEAMLESS JOINT PAVING?

## Key words:

**Gap 0.7mm, natural stone effect, space aesthetics, exclusive by GANI**

### 01

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Gap can be controlled within 0.7mm of seamless joint paving services, which can effectively implement the marble tile paving effect like natural stone, owning the sense of oneness, so that GANI obtains more advantages in showing products effect;

### 02

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From a tile to a space, GANI provides a perfect solution for space aesthetics;

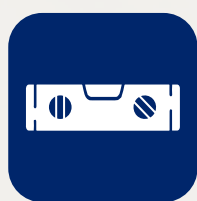
### 03

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The ultimate experience of product, service and effect.



# PRODUCT REQUIREMENTS



## FLATNESS < 0.5mm

10 Times stricter than the national standard, and double higher than the industry advanced enterprise standards;



## WATER ABSORPTION: <0.1%

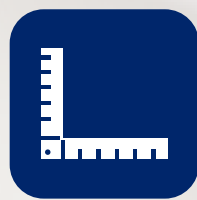
Better than ordinary ceramic tile of 0.7% water absorption rate;



## CTE: $6.8 \times 10^{-6}$ - $7.0 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$

Lower than of metals, steels and other materials.

# SERVICE REQUIREMENTS

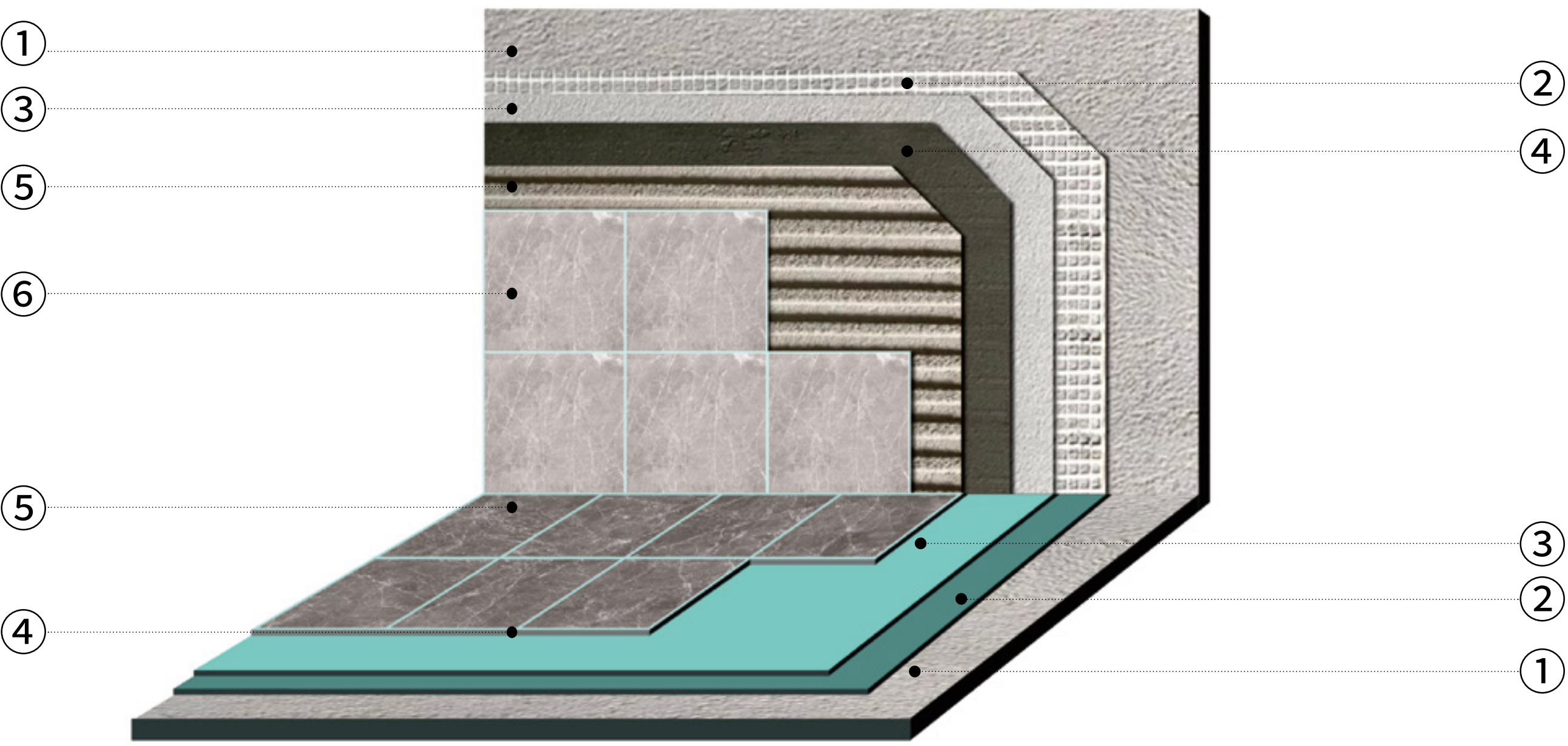


## GANI SEAMLESS JOINT PAVING INSTALLATION STANDARD

Is developed with Italy construction expert, Mr. Claudio, to ensure the safety and effectiveness of installation. The process of seamless joint paving technology is more sophisticated and refined. The efficiency of tile workers is about 50% longer than that of traditional paving.



# SYSTEM FOR INSTALLATION PROCESS



## Wall Surface:

- ① Substrate
- ② Anti-Cracking And Shockproof Layer
- ③ Screed Mortar Layer
- ④ Moldproof And Moistureproof Layer
- ⑤ Tile Adhesive
- ⑥ GANI Marble Tiles(apply two-component primer+adhesive)

## Floor Surface:

- ① Substrate
- ② Screed Mortar Layer
- ③ Fresh Cement Slurry
- ④ Apply Tile Adhesive
- ⑤ GANI Marble Tiles

**Remarks:** The second and forth step of wall paving process is not necessary. Please use in accordance with the characteristics of wall and size of tiles.



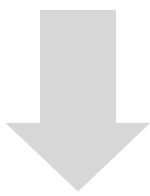
# FLOOR INSTALLATION PROCESS

1



## Substrate curing and outline

Eusure the floor is stable and outline the laying area



2



## Tiles inspection and pre-laying

Inspection for tiles breakage and veining layout



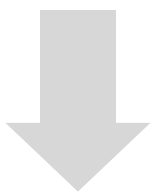


3



**Cleaning the bottom of tiles**

Removal of aluminum powder



4



**Apply fresh cement slurry**

Ensuring the binding



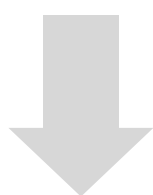




5

**Apply two-component liquid tile glue**

Rolling without leaving empty space



6

**Apply screed mortar**

Comprising cement+sand (1:3 )



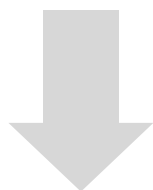


7



## Tiles pre-paved

Adjust the screeding to ensure flatness



8



## Finish screeding mortar

Proceed with fresh cement slurry  
Cut the screed mortar and leave gaps





9



**Spread the adhesive on tiles back**

Leave the border opened



10



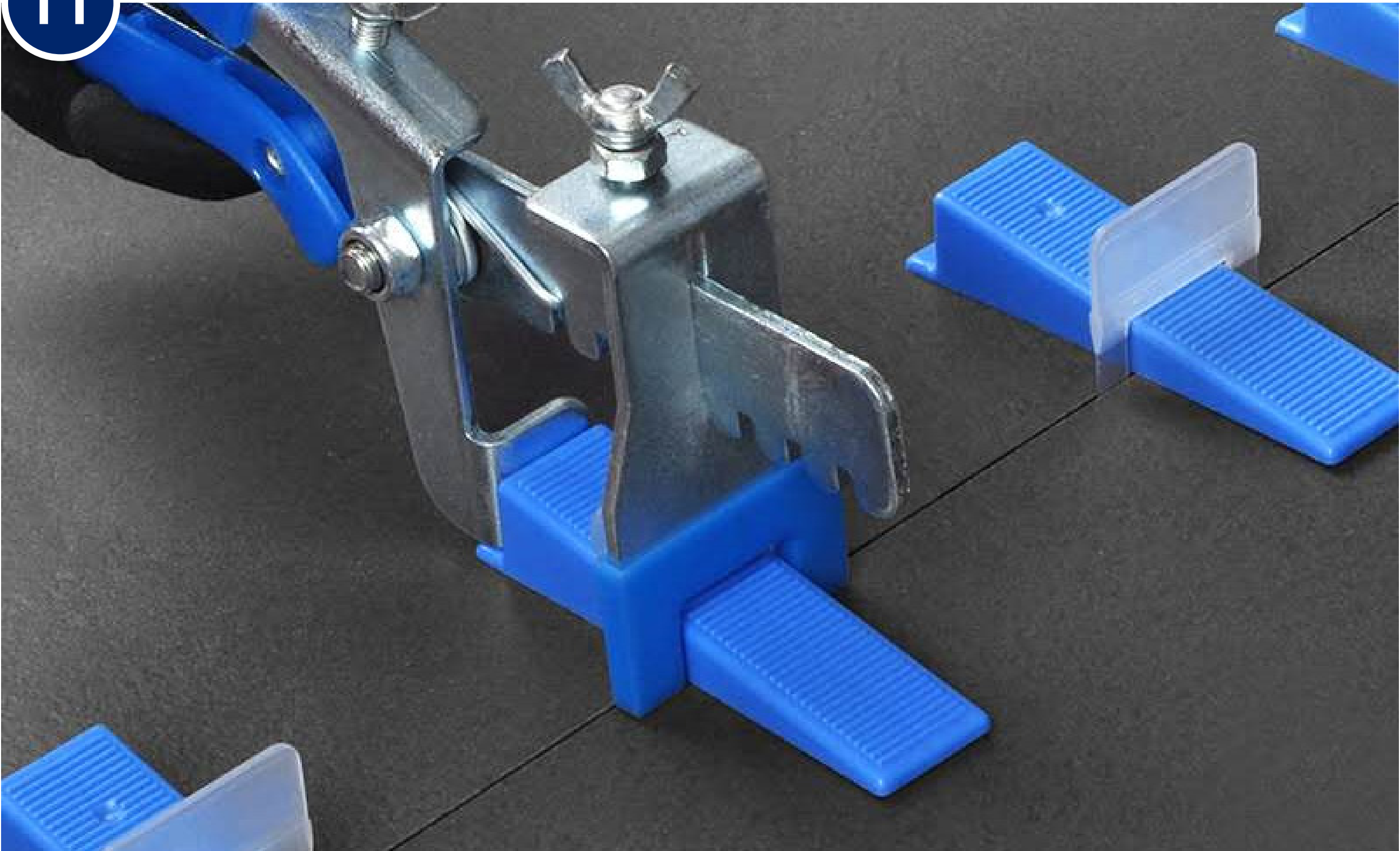
**Seamless joint paving**

Careful adjustment to achieve the seamless joint paving effect





11



**Tile leveling**

Place the 0.5mm leveling spacer under the tiles, place the tiles, then insert the leveling wedge cap with plier



12



**Cleaning the surface of tiles**

Clean each piece of tile to make it look neat and orderly





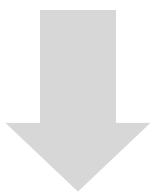
# WALL INSTALLATION PROCESS

1



**Wall body inspection**

Ensure the wall is stable and measure the flatness



2



**Wall body curing**

waterproof/dampproof/mildew proof/anti-cracking





3



Tiles inspection and pre-laying

Inspection for tiles breakage and veining layout

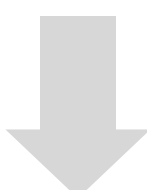


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Cleaning the bottom of tiles

Removal of aluminum powder

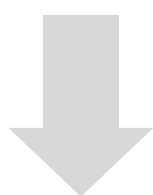






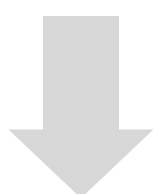
**Apply two-component liquid tile glue**

Rolling without leaving empty space



**Apply adhesive on both sides**

use the notched side of the trowel to apply the required amount of the adhesive



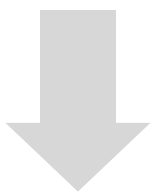


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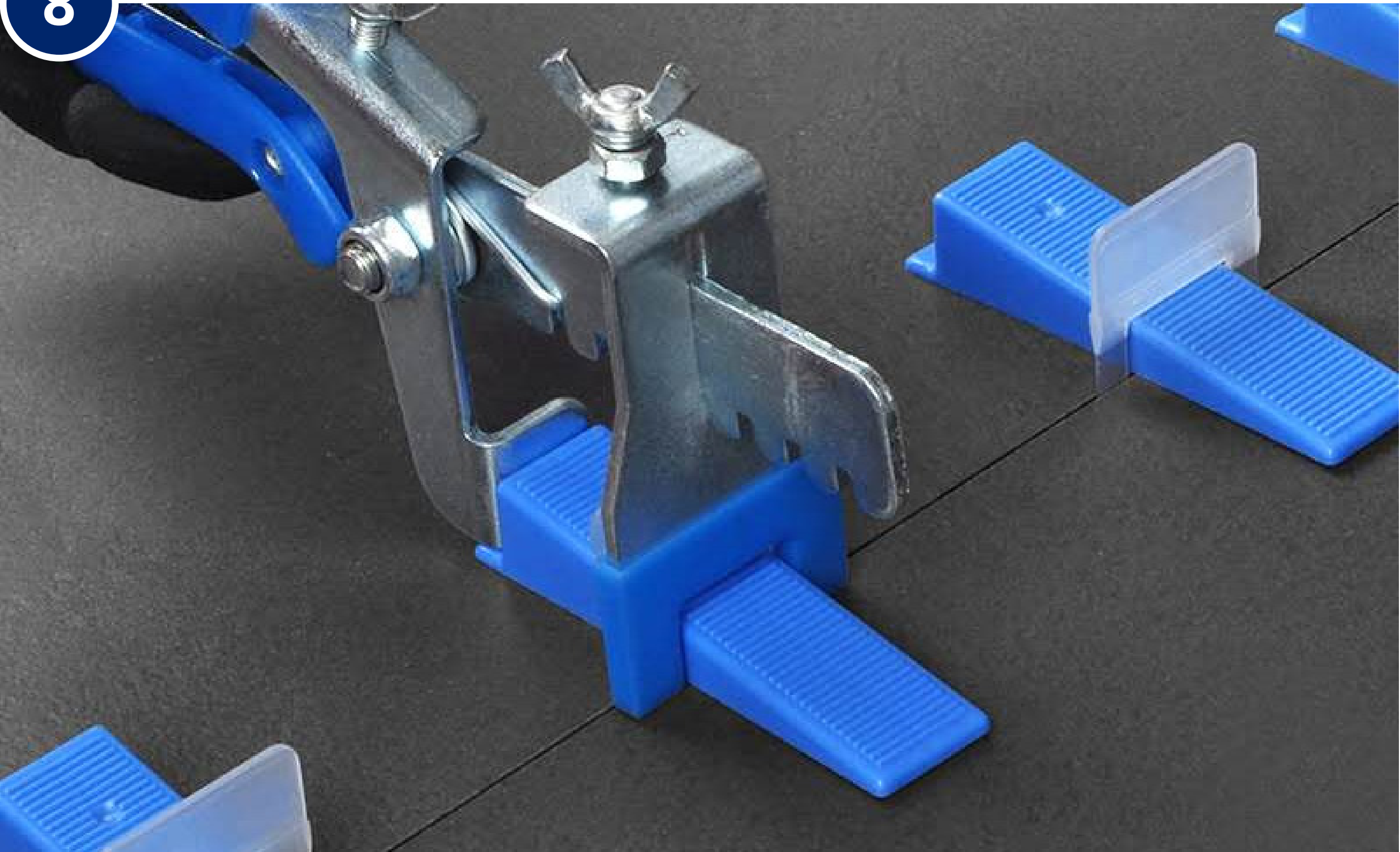


## Seamless joint paving

Careful adjustment to achieve the seamless joint paving effect



8



## Tile leveling

Place the 0.5mm leveling spacer under the tiles, place the tiles, then insert the leveling wedge cap with plier





9



## Cleaning the surface of tiles

Clean each piece of tile to make it look neat and orderly

# ATTENTIONS

### GANI seamless joint paving order is:

Paving the floor first and then the wall, the floor corners around should reserve 1-2cm expansion joint.



### Notice for special wall seamless joint paving:

New and old wall, light body wall, woodworking board, wall grooving parts need to apply mesh before seamless joint paving.



# ACCEPTANCE CRITERIA

Num	Items	Inspection methods	Standard value
1	Gap Size	Measurer	$\leq 0.7\text{mm}$
2	Flatness of Gap	The infrared distancer	Tolerance $\leq 0.7\text{mm}$
3	Flatness of surface	2 meters flatness measuring rod	Tolerance $\leq 0.7\text{mm}$
4	Hollowing	Rubber hammer	$\leq 5\%$
5	Verticality of hidden and exposure corners	The infrared distancer	Tolerance of tile surface $\leq 2\text{mm}$



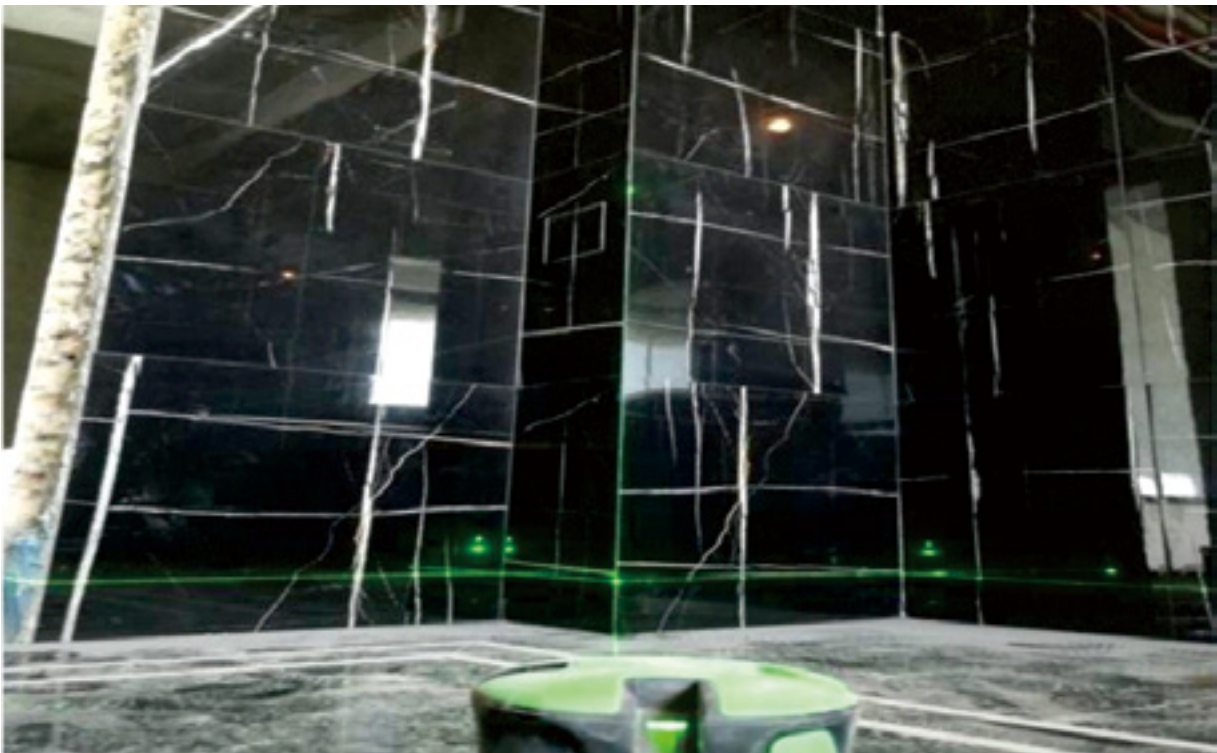
Inspection of floor flatness



Inspect if the hidden corners can be 90 degrees














Inspect if the exposure corner can be 90 degrees



Use laser to measure the flatness and verticality of hidden and exposure corners to the floor.



TOOLS GUIDE

No.	Tool name	Photos for reference
1	motor stirrer	
2	electric aluminum powder cleaner	
3	notched trowel	
4	double vacuum suction cup manual lifting regulator	
5	hand tiles beater	
6	vibrator	
7	angle grinder	
8	metal mesh	
9	levelling spacer	
10	levelling wedge cap	
11	levelling pliers	



# Adhesives & Grouts Guidance

Meets the classification of class C2TES1 in compliance on European EN12004 & ISO 13007-1.

ISO 13007 Standards: Product Classifications

Adhesives	TYPES	CLASSES	SPECIAL CHARACTERISTICS
	C=Cementitious (Thin-set mortars)	1=Normal 2=Improved	F=Fast-setting T=Slip-resistant E=Extended open time S1=Deformable S2=Highly deformable P1=Plywood adhesion P2=Improved plywood adhesion
	D=Dispersion (Mastics)	1=Normal 2=Improved	A=Accelerated drying dispersion adhesive F=Fast-drying T=Slip-resistant E=Extended open time
	R=Reaction resin (Epoxies and urethanes)	1=Normal 2=Improved	angle grinder
Grouts	TYPES	CLASSES	SPECIAL CHARACTERISTICS
	CG=Cementitious grouts	1=Normal 2=Improved	F=Fast-setting A=High abrasion resistance W=Reduced water absorption
	RG=Reaction resin grouts	-	Higher performance characteristics than improved cementitious grouts

Remarks: ISO 13007 is applicable to ceramic tile adhesives for internal and external tile installations on walls and floors. The ISO 13007 employ a classification coding system of letters and number that indicates to architects, contractors, installers and distributors exactly which adhesive and grout performance requirements must be met for a particular job.



# GANI SUPPORT

## 1. Local Market Standard Setting

Gani professional team will assist our partners in discussing and formulating a set of standardized installation process, precautions and acceptance standards applicable to the local market.



## 2. Installation Team Training

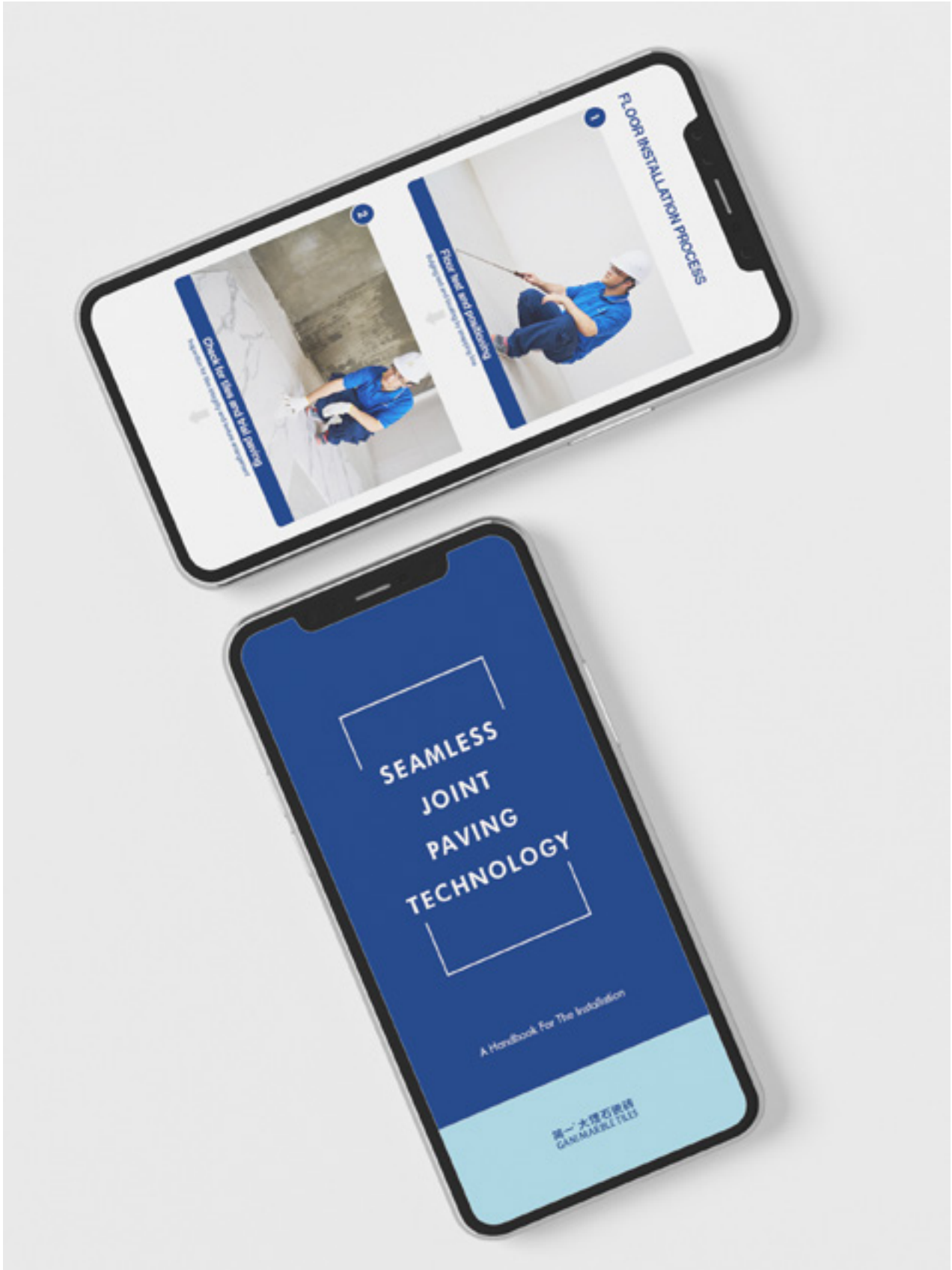
Seamless joint paving has strict installation process and excipient material requirements. Gani instructors who has 10 years of professional training experience will train the local installation team.





### 3. Promoting Materials and VI Design

Providing marketing materials, including showroom VI design, Handbook of seamless joint paving installation, seamless joint medallion manual, etc.





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