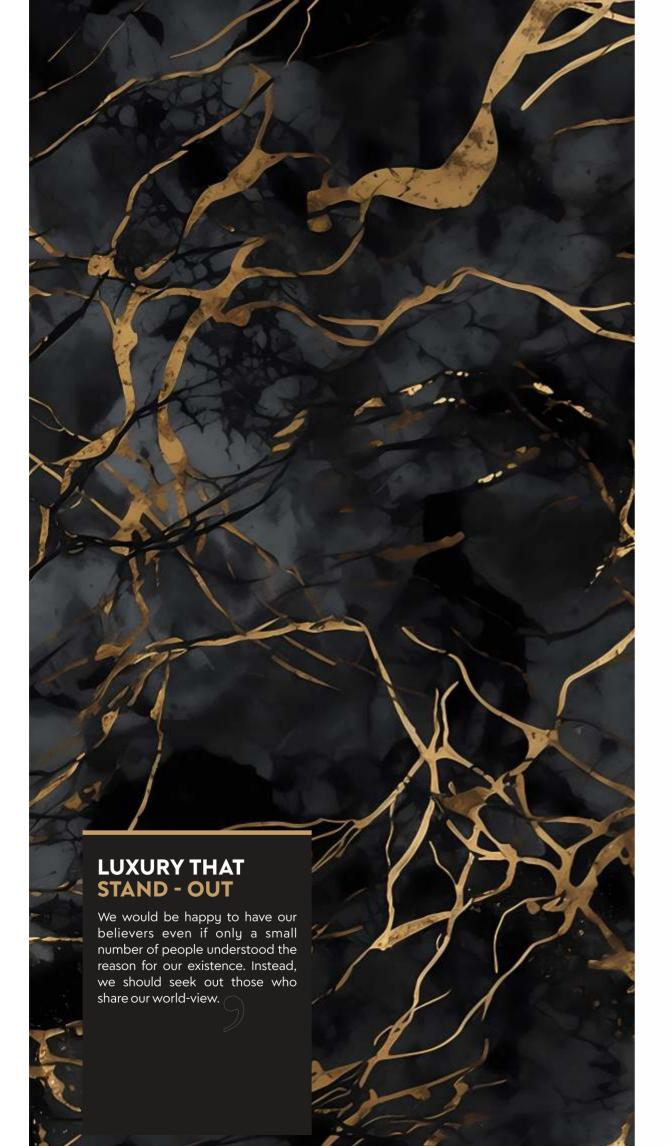


Product Catalogue

600 x 1200mm

# ELEGANCE OF CLASSIC LUXURY POLISHED GLAZED VITRIFIED TILES





### **ABOUT US**

Keramica is a startup that focuses in giving superior services to our clients. We have made it our goal to disrupt the tiles trend and set a new trend with innovation and experience.

Keramica is the destination for must have tiles that are new, trendy, leading in the market and everything in between. We are here to revolutionise the import business with aggressive management. With our esteemed founders and an excellent team, we are ready to welcome every one of you to be a part of this amazing journey that has just begun.

With plans to expand drastically, Keramica will soon be spreading their wings to reach new achievements that may be impossible for some.

### WHAT SETS US APART?

If you are looking for top-shelf tiles, we have what you need! We are committed to provide only the highest-quality tile. Client satisfaction is our top priority.

Our products are the most exclusive that you can use in the development of magnificent projects, from a house to large-scale works. We can help you make the right decision and select the tiles that will give your home a refined touch.

Keramica has set high standards when it comes to service and delivery. With their in-house QC team, they have been able to separate themselves from others by providing superior products.

Our involvement starts right from sourcing the raw materials to making its way all over the globe. They have been able to cater to individual needs of clients and they adapt to new changes as per the requirements to make it a more personalised experience.



















600x
1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features

Easy to Install







- CT60120 006 Random 4 Faces







---- CT60120 009





---- CT60120 010

Random 2 Faces

600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features









Random 2 Faces

- CT60120 011





---- CT60120 014 Random 4 Faces





600x 1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features



























600x
1200mm

Polished Glazed
Vitrified Tiles

GLOSSY FINISH

Product
Features

Easy to Clean

Impact Resista Resistant to Staining

Sustain

Acid Resistar

Frost Resistant Anti Slip





---- CT60120 021



——— CT60120 022 Random 4 Faces



---- CT60120 023



---- CT60120 026



---- CT60120 027





——— CT60120 024



——— CT60120 025 Random 4 Faces



600x 1200mm

**GLOSSY FINISH** 

Product

Features

Easy to Install

---- CT60120 029 Random 2 Faces



——— CT60120 030

Random 2 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features















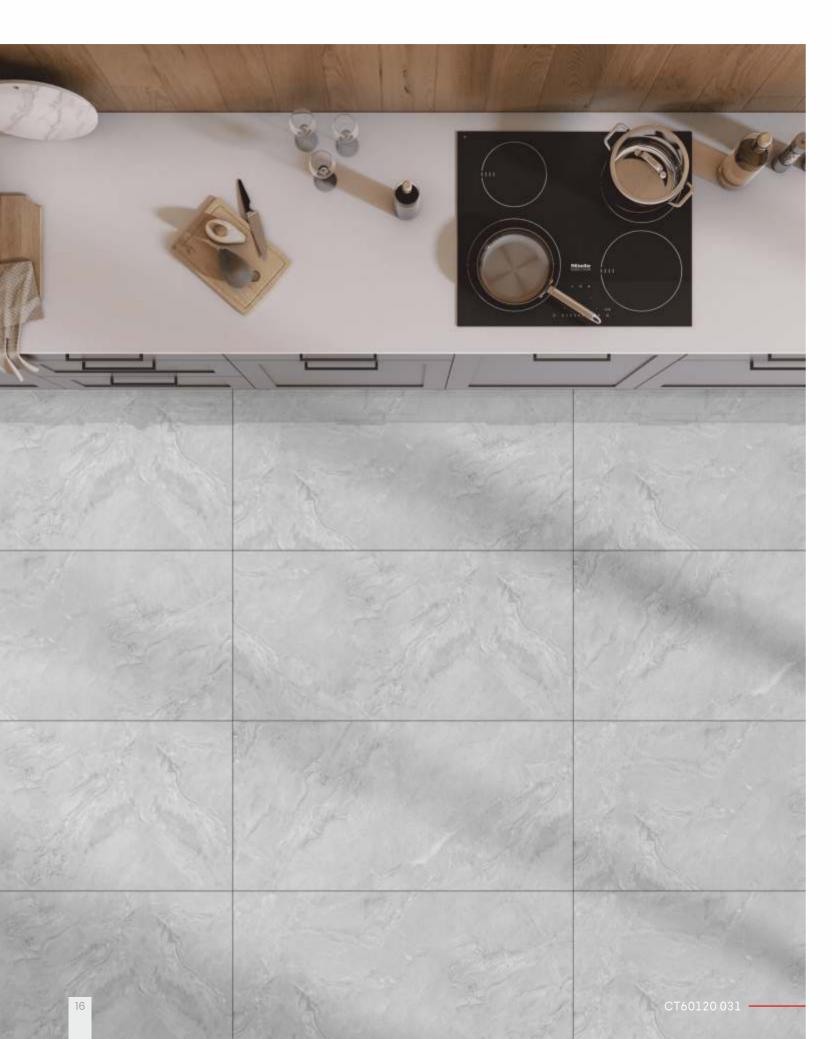












Random 2 Faces

— CT60120 031





---- CT60120 034 Random 4 Faces



Random 4 Faces

---- CT60120 035

600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

## Product Features





















— CT60120 036 Random 4 Faces



---- CT60120 037 Random 2 Faces



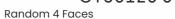
---- CT60120 038



---- CT60120 041

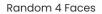


---- CT60120 042





---- CT60120 043





---- CT60120 039



---- CT60120 040



600x 1200mm

**GLOSSY FINISH** 

Product

Features

——— CT60120 044

Random 4 Faces

——— CT60120 045

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features





















— CT60120 046 Random 4 Faces



---- CT60120 047



---- CT60120 048

Random 2 Faces



---- CT60120 049



---- CT60120 050

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features











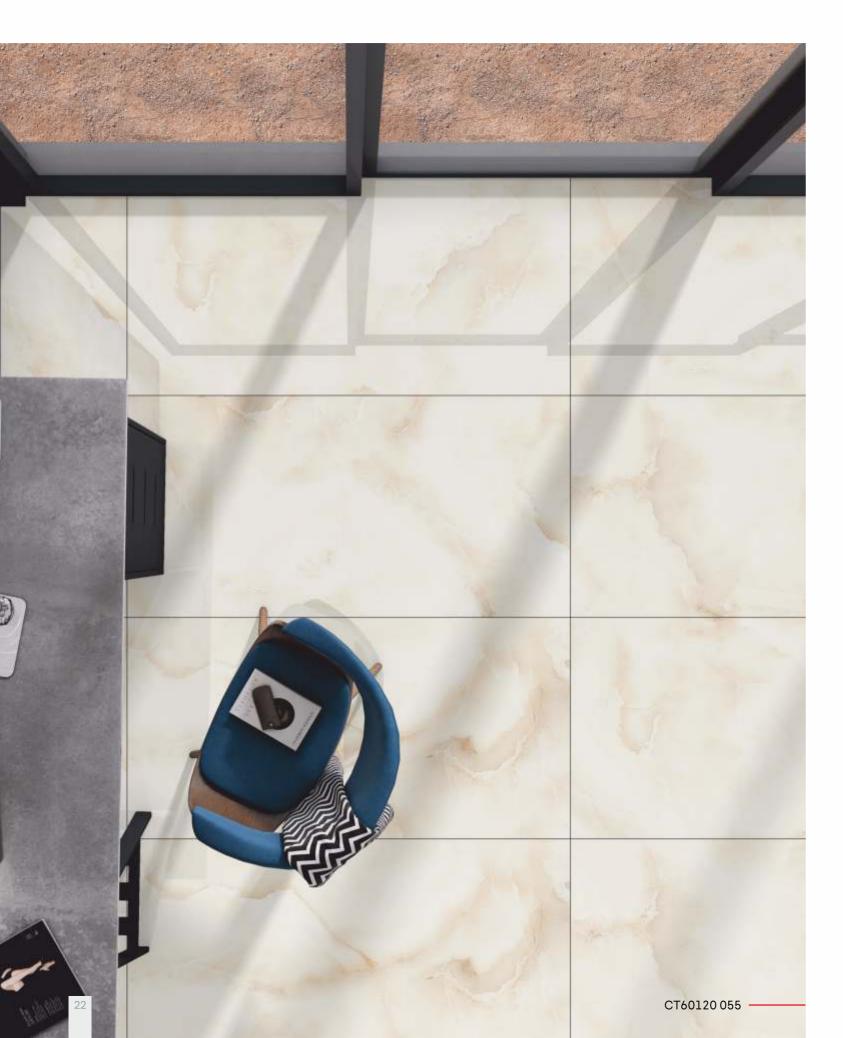
















---- CT60120 052



Random 4 Faces



600x 1200mm Polished Glazed Vitrified Tiles GLOSSY FINISH

Product Features

Acid Resistant

Frost Resistant

Anti-Slip







- CT60120 056 Random 4 Faces



---- CT60120 057 Random 4 Faces



---- CT60120 059







600x 1200mm

**GLOSSY FINISH** 

Product Features





























---- CT60120 062







600x
1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features

Easy to Install

© Ecology Sustaina Acid Resistar

Frost Resistant Ant Slip







—— CT60120 066
Random 4 Faces









A Control of the cont

Anti-Slip







— CT60120 071 Random 2 Faces







— CT60120 074 Random 4 Faces





---- CT60120 075

600x 1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features













---- CT60120 077



---- CT60120 079 Random 4 Faces





---- CT60120 080

600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features



















Frost Resistant

Anti-Slip







Random 4 Faces

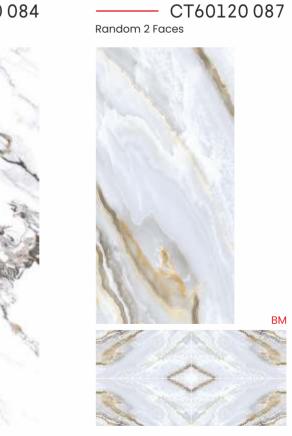
- CT60120 081







www.keramica.in



600x
1200mm

Polished Glazed
Vitrified Tiles
GLOSSY FINISH

Product
Features





— CT60120 088



---- CT60120 089 Random 2 Faces



---- CT60120 090





---- CT60120 094 Random 2 Faces



---- CT60120 095





— CT60120 096

---- CT60120 091



——— CT60120 092



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Random 2 Faces

——— CT60120114

Random 4 Faces

600x 1200mm

Polished Glazed Vitrified Tiles

Product Features



































——— CT60120 115



——— CT60120 116 Random 4 Faces



——— CT60120 117



——— CT60120 120



——— CT60120 121



——— CT60120 122



——— CT60120 118 Random 4 Faces



——— CT60120 119 Random 4 Faces



600x 1200mm Polished Glazed

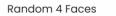
Vitrified Tiles

**GLOSSY FINISH** 

——— CT60120 123 Random 4 Faces



——— CT60120 124





600x 1200mm

Polished Glazed Vitrified Tiles

Product Features



















Product Features























——— CT60120 125



——— CT60120 126 Random 4 Faces



——— CT60120 127



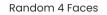
——— CT60120 130



——— CT60120 131



——— CT60120 132





——— CT60120 128



——— CT60120 129 Random 4 Faces



600x 1200mm

**GLOSSY FINISH** 

——— CT60120 133



——— CT60120 134

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features



















Product Features













— CT60120 135



——— CT60120 136 Random 4 Faces



——— CT60120 137



——— CT60120 140



——— CT60120 141





——— CT60120 138 Random 4 Faces



——— CT60120 139



600x 1200mm

**GLOSSY FINISH** 

——— CT60120 143 Random 4 Faces



——— CT60120 144

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Features











Product

































— CT60120 145



——— CT60120 146 Random 4 Faces



——— CT60120 147



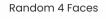
——— CT60120 150



——— CT60120 151



——— CT60120 152





——— CT60120 148



---- CT60120 149 Random 4 Faces



600x 1200mm Polished Glazed

Vitrified Tiles

**GLOSSY FINISH** 

——— CT60120 153

Random 4 Faces

——— CT60120 154

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features





















Product Features





















——— CT60120 155



——— CT60120 156 Random 4 Faces



——— CT60120 157



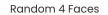
——— CT60120 160



——— CT60120 161



——— CT60120 162





——— CT60120 158



——— CT60120 159 Random 4 Faces



600x 1200mm

**GLOSSY FINISH** 

— CT60120 163



——— CT60120 164





600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features





















### Product Features











— CT60120 165 Random 2 Faces



——— CT60120 166 Random 2 Faces



——— CT60120 167



— CT60120 170



——— CT60120 171



——— CT60120 172

Random 4 Faces



---- CT60120 168



——— CT60120 169 Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product

Features

Random 4 Faces

——— CT60120 173

——— CT60120 174

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features























- CT60120175



——— CT60120 176 Random 4 Faces



——— CT60120 177 Random 4 Faces



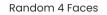
——— CT60120 180



——— CT60120 181



——— CT60120 182





——— CT60120 178



——— CT60120 179 Random 2 Faces



600x 1200mm

**GLOSSY FINISH** 

Product

Features

——— CT60120 184



Polished Glazed Vitrified Tiles

1200mm

600x

Product Features























——— CT60120 183 Random 4 Faces

Frost Resistant





——— CT60120 185



——— CT60120 186 Random 4 Faces



——— CT60120 187 Random 4 Faces



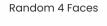
——— CT60120 190



——— CT60120 191



——— CT60120 192





——— CT60120 188



——— CT60120 189 Random 4 Faces



600x 1200mm Polished Glazed

Vitrified Tiles

**GLOSSY FINISH** 

——— CT60120 193

Random 4 Faces

——— CT60120 194

Random 4 Faces

600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 











Product

Features







Anti-Slip















——— CT60120 195



——— CT60120 196 Random 4 Faces



——— CT60120 197



——— CT60120 206



——— CT60120 207



——— CT60120 208





——— CT60120 198



——— CT60120 199 Random 4 Faces



600x 1200mm Polished Glazed

Vitrified Tiles

**GLOSSY FINISH** 

Random 4 Faces

——— CT60120 209

——— CT60120 210

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features























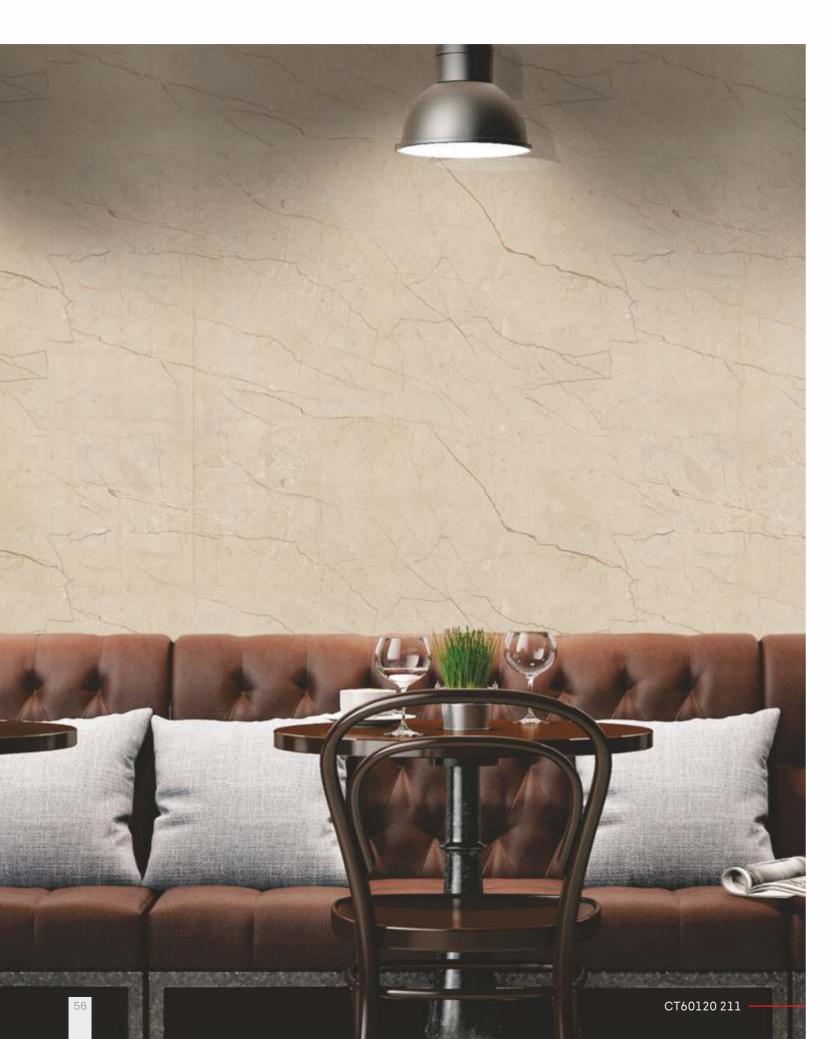












— CT60120 211 Random 4 Faces



— CT60120 212





——— CT60120 213

Random 4 Faces



——— CT60120 214 Random 4 Faces



——— CT60120 215

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features



















——— CT60120 216



——— CT60120 217 Random 4 Faces



——— CT60120 218



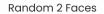
——— CT60120 221



——— CT60120 222



——— CT60120 223





——— CT60120 219



——— CT60120 220 Random 2 Faces



600x 1200mm

**GLOSSY FINISH** 

Random 2 Faces

——— CT60120 224

——— CT60120 225

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features





















# Product Features























——— CT60120 233

Random 4 Faces

——— CT60120 226



——— CT60120 227 Random 4 Faces



——— CT60120 228



——— CT60120 231



——— CT60120 232





——— CT60120 229



——— CT60120 230



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

——— CT60120 234 Random 4 Faces



——— CT60120 235

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features

















Product Features





















— CT60120 236



——— CT60120 237 Random 4 Faces



——— CT60120 238



——— CT60120 241



——— CT60120 242



——— CT60120 243





— CT60120 239



——— CT60120 240



600x 1200mm

**GLOSSY FINISH** 

Product

Features

Random 4 Faces

---- CT60120 244

——— CT60120 245



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features























——— CT60120 246 Random 4 Faces



——— CT60120 247 Random 4 Faces



——— CT60120 248



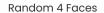
——— CT60120 251



——— CT60120 252



——— CT60120 253





——— CT60120 249



——— CT60120 250 Random 4 Faces



600x 1200mm

**GLOSSY FINISH** 

Random 4 Faces

——— CT60120 254

——— CT60120 255

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features









































— CT60120 257







600x 1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features





——— CT60120 261 Random 4 Faces



——— CT60120 262 Random 4 Faces



——— CT60120 263



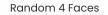
——— CT60120 266



——— CT60120 267



——— CT60120 268





——— CT60120 264



——— CT60120 265



600x 1200mm Polished Glazed

Vitrified Tiles

**GLOSSY FINISH** 

Product

Features

Random 2 Faces

——— CT60120 269

——— CT60120 270



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features

























——— CT60120 271



——— CT60120 272 Random 4 Faces



——— CT60120 273



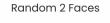
——— CT60120 276



——— CT60120 277



——— CT60120 278





——— CT60120 274



——— CT60120 275 Random 4 Faces



600x 1200mm

**GLOSSY FINISH** 

Product

Features

——— CT60120 279



——— CT60120 280

Random 2 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

Product Features

























——— CT60120 281 Random 4 Faces



——— CT60120 282 Random 4 Faces



——— CT60120 283



——— CT60120 302



——— CT60120 303





——— CT60120 304



——— CT60120 284



——— CT60120 301



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

——— CT60120 305



——— CT60120 306

Random 4 Faces



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features





















### Product Features





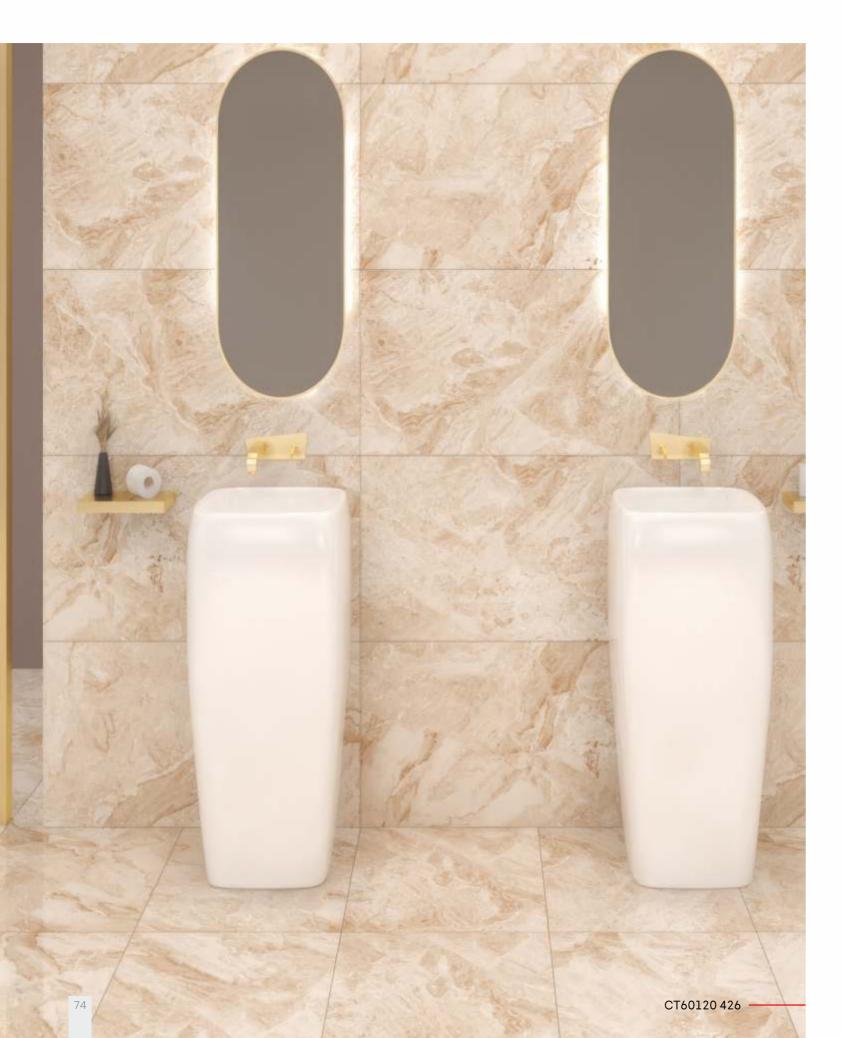












— CT60120 307 Random 4 Faces



——— CT60120 308



——— CT60120 424



---- CT60120 425 Random 4 Faces



——— CT60120 426



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features

















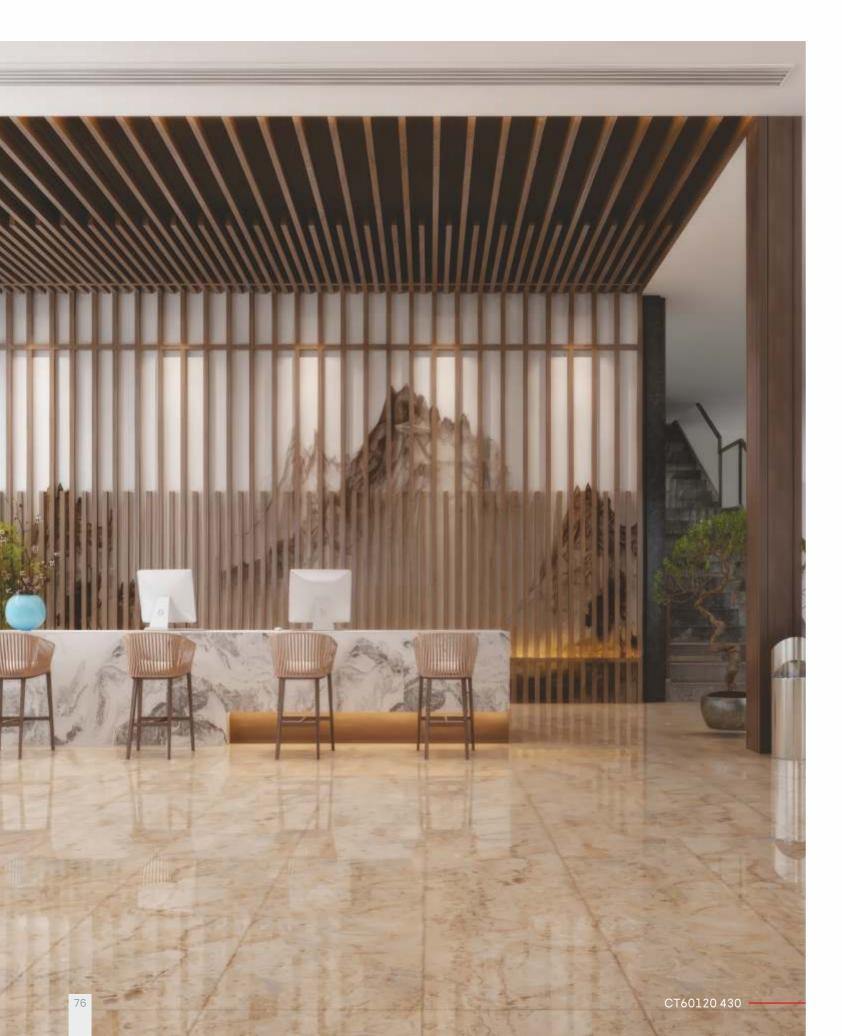




Anti-Slip











— CT60120 428







600x 1200mm Polished Glazed Vitrified Tiles **GLOSSY FINISH** Product Features







— CT60120 432 Random 4 Faces



---- CT60120 433



---- CT60120 434





- CT60120 435 Random 4 Faces



——— CT60120 436





600x 1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features















Anti-Slip







- CT60120 437 Random 2 Faces











600x 1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features



Frost Resistant

Anti-Slip







- CT60120 442 Random 4 Faces



——— CT60120 443



---- CT60120 444





- CT60120 445



---- CT60120 446



600x 1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features







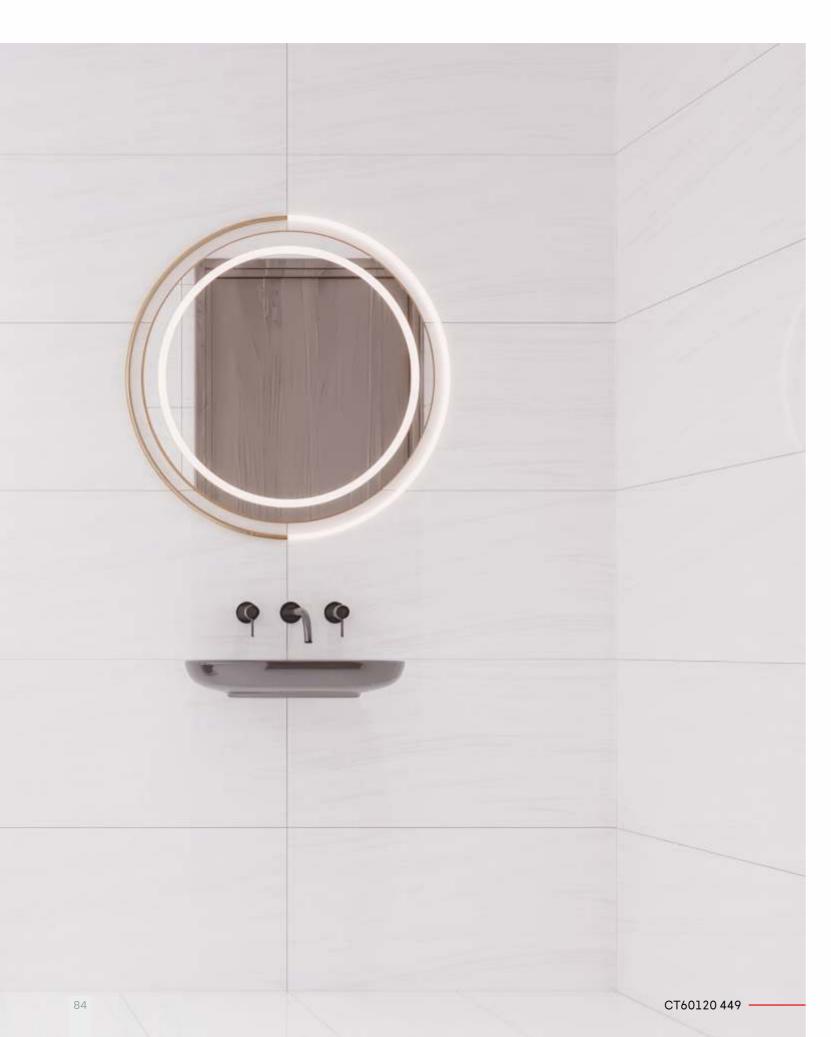






















600x
1200mm

Polished Glazed
Vitrified Tiles

GLOSSY FINISH

Product
Features

Easy to Install

Impact
Pagistant

Anti-Slip







— CT60120 452 Random 4 Faces





Random 4 Faces



---- CT60120 456 600x 1200mm Polished Glazed Vitrified Tiles GLOSSY FINISH Product Features







— CT60120 457 Random 4 Faces



---- CT60120 458



——— CT60120 459





- CT60120 460



---- CT60120 461



600x 1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

Product Features





































600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features













---- CT60120 470 Random 4 Faces





——— CT60120 471

Random 4 Faces

600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features





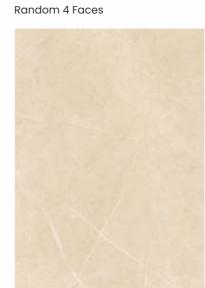








---- CT60120 497



——— CT60120 498 Random 4 Faces



---- CT60120 499 Random 4 Faces



---- CT60120 500



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

### Product Features























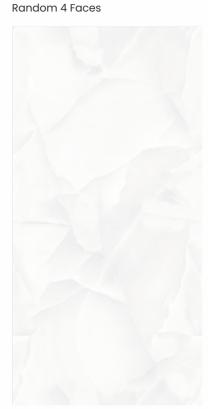
---- CT60120 501



——— CT60120 502 Random 2 Faces



---- CT60120 503



——— CT60120 506



---- CT60120 507



---- CT60120 508



——— CT60120 504



---- CT60120 505



600x 1200mm Polished Glazed

Vitrified Tiles

**GLOSSY FINISH** 

Product

Features

Easy to Install



---- CT60120 509

Random 4 Faces



——— CT60120 510



600x 1200mm

Polished Glazed Vitrified Tiles

**GLOSSY FINISH** 

Product Features































— CT60120 512



— CT60120 514



# 600x 1200mm

Polished Glazed Vitrified Tiles

GLOSSY FINISH

### Product Features











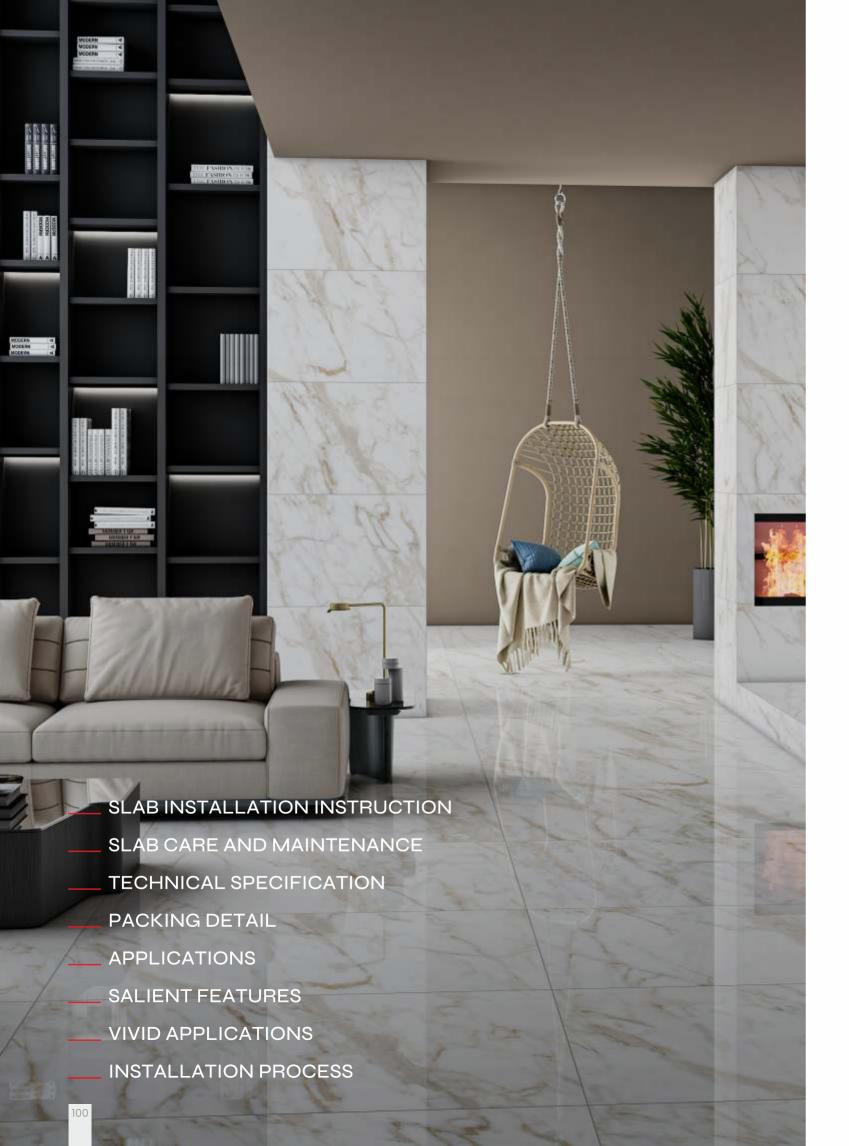












## **RESISTANT TO STAINING**



RESISTENTE A LAS MANCHAS/ RESISTENTE AUX TECHES

## **IMPECT RESISTANT**



RESISTENTE AL IMPACTO/ RESISTENTE AUX CHOCS

**ACID RESISTANT** 



RESISTENTE AL IMPACTO/ RESISTENTE AUX CHOCS

## **EASY** CLEAN



RESISTENTE A LAS MANCHAS/ RESISTENTE AUX TECHES

HIGH MOR



ALTA MOR / MOR ELEVE

THERMAL SHOCK **RESISTANT** 



RESISTENTE AL CHOQUE TERMICO/ RESISTANT AUX CHOCS THERMIQUES

## **FROST RESISTANT**



RESISTENTE A LAS HELADAS/ RESISTENTE AU GEL





### SLAB INSTALLATION INSTRUCTION

Follow the instruction for better and smooth execution of Keramica eSlb Product





### SURFACE PREPARATION

Apply cement mortar bedding on the surface and spread the entire mortar evenly.

For flattened surface approximately 9mm thick cement mortar bedding is preferred.





## DRYING PROCESS

The drying time of cement mortar bedding is approximately 48 hours, as it will exceed the contraction and expansion of feature of cement.





## SLABLAYING PROCESS

Apply approximately 10mm thick tile fixing adhesive on the prepared cement bed, spread the same by using metal comb (12mm) to the entire surface (Refer the image). This feature will allow to be fixed without any air pocket after installation. The Same Method has to

followed for applying the tile fixing adhesive on the back of the slab for 10mm, while holding the slab on its length side. Then, the adhesive has to be combed in the same way as done on the floor.





### SLABHANDLING

Slab can be properly handled and lifted by Vacuum cups. Vacuum cups are usually used to lift glasses, it can be fixed on the surface of polished tile, to lift it to the exact area of the fixing. (May not very effective for satin and matt surfaces.) Once the slab is laid, the same has to be

hammered by soft wooden base hammer to ensure proper laying and fixing.







### SLAB CUTTING AND HANDLING

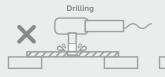
Use diamond tools which are generally use to cut glasses, for cutting any surface of eSlab. First, a line has to be drawn on the surface pressing the tool considerably to ensure a deep cut mark line and this can be used till the slab is cut deep to the level of 1 to 2mm and then can be

cut with a proper cutting tool for cutting the 9mm thick body of the slab. Cutting systems are also available with companies manufacturing such systems.



SLAB CUTTING AND DRILLING METHODS









### SLAB CARE AND MAINTENANCE

These are the so-called final cleaning operations: this is the most important step, as it influences the results of the subsequent use of the product. Its purpose is to remove any trace or residue of foreign matter from the surface of the slabs. If you have used a cement-based sealant during installation, once the grout has dried, Keramica recommends carrying out the following operations:

- Remove any coarse dirt using a vacuum cleaner;
- Wet the floor with clean water in order to soak and protect the joints against the corrosive action of the detergent;
- Clean using a suitable acid detergent, which can be applied by hand (with a clean cloth) or with a machine (a single-brush machine with medium, non-abrasive bristles or a high-pressure water cleaner);
- Soak up the cleaning solution with a clean cloth or a suitable vacuum cleaner;
- Thoroughly rinse surfaces with clean, warm water to neutralise the action of the detergent;
- Remove any build-up by scraping it off;
- If needed, clean the surface again with the single-brush machine, using a diluted neutral or alkaline detergent, then rinse using clean warm water and dry.
- If an epoxy sealant has been used during installation of the product, given the chemical nature of such product, any remaining residue on the porcelain tile's surface should be removed before the grout has hardened completely and carefully follow the instructions supplied by the manufacturer.





## **TECHNICAL SPECIFICATION**

CHARACTERISTICS	STANDARD AS PER ISO-13006/En14411 GROUP	VALUES	TEST METHOD
	REGULATORY	PROPERTIES	
Deviation in Lenth & Width	0.50%	0.20%	ISO - 10545-2
Deviation in Thickness	0.50%	0.50%	ISO - 10545-2
Straightness of Sides	0.50%	0.20%	ISO - 10545-2
Rectangularity	0.50%	0.20%	ISO - 10545-2
Surface Flatness	0.50%	0.20%	ISO - 10545-2
Color Difference	Unaltered	No Change	ISO - 10545-16
Glossiness	As per Mfg.	>90%	Glossmeter

### STRUCTURAL PROPERTIES

Water Absorption	sorption <0.05%		ISO - 10545-3
Apparent Density	>2.00 g/cc	>2.10 g/cc	DIN 51082

#### MASSIVE MECHANICAL PROPERTIES

Modulus of Repture	Min 35N/MM2	Min 40N/MM2	ISO - 10545-4
Breaking Strength	Min. 1300 N	Min. 2000 N	ISO - 10545-4
Impact Resistance	As per Mfg.	Min. 0.55	ISO - 10545-5

### SURFACE MECHANICAL PROPERTIES

Surface Abrasion Resistance	As per Mfg.	Min. class 3	ISO - 10545-7
Moh's Hardness	As per Mfg.	Min. class 4	EN 101

### THERMO HYGROMETRIC PROPERTIES

Frost Resistance	No Damage	No Damage	ISO - 10545-12
Thermal Shock Resistance	No Damage	No Damage	ISO - 10545-09
Moisture Expansion	Nil	Nil	ISO - 10545-10
Thermal Expansion	Max 9.0x10 -6	Max 6.5x10 -6	ISO - 10545-08
Crazing Resistance	As per Mfg.	Min 10 Cycle	ISO - 10545-11

### CHEMICAL PROPERTIES

Chemical Resistance	No Damage	No Damage	ISO - 10545-13
Stain Resistance	Resistant	Resistant	ISO - 10545-14

### SAFETY PROPERTIES

Slip Resistance	As per Mfg.	>0.40	ISO - 10545-17
Fire Resistance	As per Mfg.	Fire Proof	N.A.

### **PACKING DETAIL**

SIZE (in mm)	THICKNESS APPROX	PIECES / PER BOX	COVERAGE AREA IN SQ. FT	BOX WEIGHT ( APPROX. )
600X1200MM	9MM	2	15.5	28 KGS.

NOTE: Colour Shown are as accurate as the limitations of the printing process will allow. Prospective Customer are advised to inspect a sample of tiles before ordering, every effort has been made to ensure the accuracy of the information given. However, the Company research the right to change the specifications Without prior notice. Sometimes variations in shade or size being inherent to ceramic industry may occur. Before fixing, we advice you to follow the fixing Instruction on the cartons of the tiles as no responsibility can be accepted by the once the tiles have been fixed.

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### **APPLICATION**

Construction Industry:

Floor and wall coverings, partition and storage walls, false ceilings, surface finishes and restoration, insulated panels, tunnels and undergrounds.

Facade cladding systems:

Ventilated facades, coatings, external claddings.

Interior design: Surfaces of kitchen and bathroom tops, cupboards, tables, desks, doors and furnishings in general.

- Composite and structural panels: The slabs can be placed on top of each other or over other materials to create extremely light and particularly resistant composite and structural panels suitable in all those cases that require high resistance and reduced weight load on the surface.
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### SALIENT FEATURES

**OUALITY RAW MATERIALS** 



NO ALTERATION IN COLOUR



NON-ARSORRENT

DESISTANT TO

RESISTANT TO LIQUIDS AND ACIDS

SCRATCHES AND ABRASIONS





RESISTANT TO HEAVY LOADS



RESISTANT TO FROST





SURFACE SUITABLE FOR CONTACT WITH FOODSTUFFS



EASY TO CLEAN

HYGIENIC SURFACE

## **VIVID APPLICATIONS**

RESISTANT TO THERMAL SHOCK

NON-TOXIC SLABS THAT DO NOT

**RELEASE MICRO-PARTICLES** 

















AIRPORTS







BATHROOMS



INTERIORS



KITCHENS



PUBLIC SPACES

### **INSTALLATION PROCESS**

### LAYING (FLOORS)

In addition to the technical and gesthetic auglities of the material, in order to be a complete success floor also requires elements such as a foundation, an adhesive layer and expansion joints, which together comprise a real flooring system. A perfect end result is only guaranteed if the laving operations are performed correctly

The floor should preferably be laid using adhesives, following the instructions provided by the adhesive manufacturers. For tiles measuring over 60x60 cm for floors subject to intensive use, a double layer system is advisable. For decorative tiles with precious material inserts, it is advisable to consult the instructions on the packaging. To make the most of the material characteristics, we recommend following these instructions during the laving process:

- Lay out a few pieces on the floor to check the overall effect. Lay material from several different boxes at once.
- Do not immerse the material in water before laying. If using the traditional laying system, tap the material until all the cavities and air bubbles have completely disappeared from the mortar and until liquid cement comes up through the spaces between the tiles. In the case of polished surfaces in particular, do not use pencils or pens to mark out cuts on the top of the tiles to be laid

Wait 48-72 hours before subjecting the floor to everyday use.

### INSTALLATION (WALL TILING)

Before starting the installation, it is recommended to check that the substrate is sufficiently cured, flat, mechanically resistant, without crumbling parts and grease, oils, paints and waxes (perfectly clean).

Choose the most suitable adhesive considering the following factors:

- type of substrate;
- type and size of the tiles;
- weather conditions at the installation;
- time available for the ceramic tiling to be ready for use. It is recommended to follow the instruction of the best manufacturers of adhesives for the installation of ceramic tiles.
- Prepare the necessary material.
- Prepare the adhesive following the instructions of the manufacturer
- Apply the adhesive on the substrate using a suitably toothed squeegee.

It is important to use a proper grout even according to the end use of the ceramic tiling, following the instructions of the best manufacturers of joint sealants. For a correct and easy removal of the grout follow the indications of its manufacturer (previously checking its suitability).

WARNING: it is advisable to check the availability of the entire quantity of material required on site at the installation to allow the installer to mix the modules from several boxes for getting a pleasant effect. The check of the shades must be made before starting the installation.

### GROUTING AND FINAL CLEANING

When using normal drying adhesives, grout the floor after 24-48 hours; when using rapid drying adhesives, grout after 4 hours. When working with polished materials in particular, use cement grouts of a matching tone, avoiding dark coloured grouts with pale materials, and vice versa. When grouting these surfaces, it is advisable not to use flexible mortars made from synthetic materials, especially if the colour contrasts that of the material, and not to use grout additives/latex. In fact, these products make it extremely difficult to remove any residue using normal cleaning products. If using grouts with contrasting or special pigments, take care to follow the information provided in the specifications and test the grout on the material beforehand. Use a rubber-coated spatula to apply the grout over the entire surface of the material. Grout small areas at a time, removing excess quantities with damp sponges or cloths (using clean water only) or specific equipment for removing excess grout, while the layer of grout is still damp. Adequate initial cleaning is fundamental to get the best shine and to ensure cleanability and easy everyday maintenance. Initial cleaning should therefore be performed immediately after laying, using acid-based products, scrubbing hard and rinsing with plenty of water. This will make it possible to remove any grout, adhesive and cement residue, etc. You may use any detergent available on the market, with the sole exception of products containing hydrofluoric acid (compounds and derivatives) as provided for by standard EN 14411. We recommend protecting the laid flooring carefully. When carrying out other operations such as painting, plumbing or any other work, we recommend covering the floor with PVC sheets, airballs or fabrics once it has been laid

### GENERAL ADVICE FOR GROUTING

Pay attention while choosing joint sealants: check the technical sheets, choose them shade-matched and follow carefully the recommended cleaning times, as many new generation coloured sealants contain pigments and additives that can be very strong

CARE AND MAINTENANCE These are so-called final cleaning operations; this is the most important step, as it influences the results of the subsequent use of the product. Its purpose is to remove any trace or residue of foreign matter from the surface of the slabs. If you have used a cement based sealant during installation, once the grout has dried, Keramica recommends out the following operations;

- Remove any coarse dirt using a vacuum cleaner;
- Wet the floor with clean water in order to soak and protect the joints against the corrosive action of the detergent;
- Clean using suitable acid detergent, which can be applied by hand (with a clean cloth) or with a machine (a single-brush machine with medium, non-abrasive bristles or a high-pressure water cleaner);
- Soak up the cleaning solution with a clean cloth or a suitable vacuum cleaner:
- •Thoroughly rinse surfaces with clean, warm water to neutralise the action of the detergent;
- Remove any build-up by scraping it off;
- If needed, clean the surface again with the single-brush machine, using a diluted neutral or alkaline detergent, then rinse using clean warm water
- If any epoxy sealant has been used during installation of the product, given the chemical nature of such product, any remaining residue on the porcelain tile's surface should be removed before the grout has hardened completely and carefully follow the instructions supplied by the



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