

Graystone

TECHNICAL DATA

DECO-TILE

PORCELAIN STONEWARE

HEALTH AND SAFETY

Porcelain stoneware is the best choice for those who care about health and safety. Porcelain's non-porous surface remains hygienic over time by avoiding the absorption of unwanted germs and bacteria. It's completely hypoallergenic, VOC free and won't emit harmful substances. Due to porcelain's non-absorbent properties, it is safe to use aggressive detergents although it's easy to clean and resistant to staining.



ECO-FRIENDLY AND NONTOXIC: WON'T RELEASE HARMFUL SUBSTANCES



HYGIENIC AND SAFE



NO CHEMICAL WATERPROOFING AGENTS, PAINT, OR RESIN



EASY TO CLEAN AND STAIN RESISTANT

HEAT AND FIRE RESISTANCE

Porcelain stoneware is naturally fireproof, and won't burn in the event of a fire. Even in intense heat porcelain maintains its shape and never releases toxins into the atmosphere.



HEAT RESISTANT



FIRE RESISTANT



RESISTANT TO SUN DAMAGE AND COLOR FADING

VERSATILITY AND SUSTAINABILITY

The choice of an eco-sustainable, durable and versatile material for floors and walls means a lot of benefits for the environment. Our porcelain stoneware is produced with non-exhaustible, natural, raw materials, that are easy to install, and, at the end of its long life, it is easy and cheap to dispose of 100% recyclable.



EASY TO INSTALL



WATER AND DAMP RESISTANT



IDEAL FOR HEATED FLOORS

BEAUTY & DURABILITY

Porcelain tiles remain as beautiful as the first day even when they are exposed to different types of stress.

They resist scratches and abrasions and are able to withstand heavy loads. This means it is a material suitable for driveways and high traffic places.



LOAD BEARING AND STRESS RESISTANT



FROSTPROOF



SCRATCH AND ABRASION RESISTANT



THERMAL SHOCK RESISTANT



RESISTANT TO SMOG AND POLLUTION



RESISTANT TO HOUSEHOLD AND INDUSTRIAL CHEMICALS

DECO-TILE

Cleaning procedures

FINAL CLEANING AFTER INSTALLATION A few hours after grouting, as soon as the grout starts to dry and becomes opaque, sweep the floor. Within 48 hours from grouting and before the grout hardens definitively, wet the floor with an acid and buffered solution. Dilution depends on the type of surface (smooth or textured). Spread the solution containing acid especially made for stoneware using a mop or a rotary brush for large surfaces, and featuring suitable discs, and let the solution work for a few minutes. Rinse with warm water and clean cloths and repeat several times until all stains and residues have been eliminated. Make sure to change rinsing water several times. Complete by drying. Prevent contact of the acid solution with other materials (metal, marble, etc.).

ATTENTION!!

Epoxy-based grout cannot be cleaned when it has completely hardened other than mechanically with risks to the surface of the tiles. For more information and recommendations, consult the grout manufacturer. Care must be taken on inlaid, polished and anti-slip products; for the latter in particular, the use of a floor-washing machine combined with the action of an acid detergent helps reach the spaces between adjacent tiles and cleans them properly.

If such a cleaning procedure is not carried out, or if such cleaning is carried out too late, the grout residue creates an extremely absorbent film, which holds dirt, making the surface difficult to clean: in this case, we will not be liable for any damage caused to the surface.

CLEANING AND CARE

If the cleaning rules after installation are followed, routine maintenance, i.e. everyday cleaning to remove dirt from traffic and general use of the tiled surface, is reasonably easy. We would like to remind you that porcelain stoneware is a product with excellent technical features which allow for the highest grade of mechanical wear and resistance to acids (except for hydrofluoric acid and its derivatives) and alkalis, features which are added to a high aesthetic quality. Porcelain stoneware has a low absorption level, another intrinsic characteristic of the product. As detailed in the technical sheets, absorption levels are very low in the production process we adopt, and all our products will achieve the best results for any kind of specific application.

Ordinary maintenance must be carried out using specialist detergents to remove stains but these detergents must not leave a wax, film or membrane residue. Rinsing well with plenty of clean water is a fundamental part of the cleaning procedure, therefore we advise against the use of products which state that they "do not need rinsing".

We would like to inform you that, the above mentioned standards do not cover rubber stains (shoes, heels, mats, etc...) especially where these kinds of stains are frequent: therefore, we will not be held liable for any such damage to the surface of these products. All types of surface of our range can be washed with clean water or water and up to 50% of bleach or alcohol. We recommend periodical cleaning with basic products or a micro-foaming basic product for porcelain stoneware, followed by thorough rinsing and drying.

HEAVY-DUTY CLEANING

Any stains or marks can be removed quite easily since porcelain stoneware has very low absorption properties and resists acids and bases.

Depending on the type of stain, you can use:

- ACIDS for INORGANIC stains,
- BASES for ORGANIC stains,
- SOLVENTS for SYNTHETIC stains.

The use of common aggressive acids (such as muriatic acid for instance) must be avoided. These products remove residues of grout but also irreparably damage the grout within the joint. Also pay attention to all products containing HYDROFLUORIC ACID (HF) SINCE THEY IRREPARABLY DAMAGE ALL CERAMIC SURFACES.

WARNING

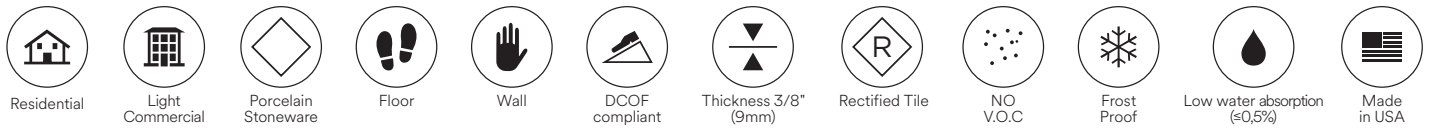
The above suggestions are a result of research, laboratory tests and several years' experience. However, the cleaning features of the materials may vary significantly according to the different installation methods, conditions of use, types of surface and destination. As a general rule, the higher the anti-slip values of the tiles are, the greater cleaning inconveniences may arise. The professional operator in charge of maintenance and cleaning shall always check the surface condition before proceeding with any cleaning and/or maintenance operation (we would suggest to test some tiles before installation). We decline any liability with reference to cleaning and maintenance operations in case of heavy conditions of use (such as mechanical workshop or spaces presenting oily residues or tire marks), bad installation work or wrong cleaning operations, it is agreed that we shall not be liable for any event, damage or defect due to wrong installation of the tiles, faulty cleaning and maintenance operations or inadequate choice of the type of material to be laid or of the adhesives used in a certain destination of use.

TILE PERFORMANCE DATA

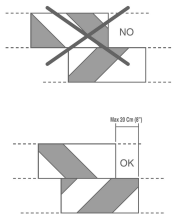
GLAZED - NON RECTIFIED PORCELAIN TILES

Classification in accordance with ANSI A137.1 (P1 class).

GRAYSTONE



TECHNICAL FEATURE	METHOD	VALUE REQUIRED ANSI A 137.1	AVERAGE VALUE
Facial dimension	ASTM C-499	± 0.5% or ± 0.08 in	In accordance to ANSI A 137.1
Wedging	ASTM C-502	± 0.5% or ± 0.08 in	
Warpage diagonal	ASTM C-485	± 0.5% or ± 0.07 in	
Warpage edge	ASTM C-485	± 0.5% or ± 0.07 in	
Thickness	ASTM C-499	RANGE: 0.040 inch max (1 mm)	In accordance to ANSI A 137.1
Water absorption	ASTM C-373	≤ 0.5%	Passed "impervious tiles" Class P1
Breaking strength	ASTM C-648	≥ 250 lbs (≥1113 N)	≥400 lbs
Freeze thaw	ASTM C-1026	No damages	In accordance
Chemical resistance	ASTM C-650	As reported	Unaffected
MOHS hardness			6
Dynamic Coefficient of Friction	ANSI A 326.3	Declare	WET DOCF ≥0.42
		Classified	Interior Wet



For 120 cm (48") and 60 cm (24") long tiles, staggering should not exceed 20 cm (8").

Average values referred to the last two years of production and related to the matte finish of the product.

Values relate to the matte finish of the product and to tests carried out by certified external laboratories, whose results are available upon request. Be sure to use the same caliber tiles. Color reproductions may vary from actual products.

* Due to the intrinsic nature of porcelain stoneware tiles, please note that the coefficient of friction may vary from one production lot to another.

We recommend to always keep the surface dry.

ACTUAL SIZES FOR RECTIFIED MATERIAL - 3/8" THICKNESS (9mm)

NOMINAL SIZE INCHES	MM	ACTUAL SIZE INCHES	MM
24"x48"	610x1220	23 ^{15/32"} x47 ^{3/64"}	596x1195
24"x24"	610x610	23 ^{15/32"} x23 ^{15/32"}	596x596
12"x24"	305x610	11 ^{11/16"} x23 ^{15/32"}	297x596
6"x24"	152x610	5 ^{45/64"} x23 ^{15/32"}	145x596
8"x40"	203x1016	7 ^{23/32"} x39 ^{11/64"}	196x995

ACTUAL SIZES FOR NON-RECTIFIED MATERIAL - 3/8" THICKNESS (9mm)

NOMINAL SIZE INCHES	MM	ACTUAL SIZE INCHES	MM
12"x24"	305x610	11 ^{13/16"} x23 ^{47/64"}	300x603
8"x40"	203x1016	7 ^{11/8"} x39 ^{3/8"}	200x1000

*For more detailed information about the different actual sizes for non-rectified material, please contact us

ACTUAL SIZES FOR RECTIFIED MATERIAL - 3/4" THICKNESS (20mm)

NOMINAL SIZE INCHES	MM	ACTUAL SIZE INCHES	MM
24"x24"	610x610	23 ^{35/64"} x23 ^{35/64"}	598x598



DECOTILE

STAY CONNECTED

-

www.decotile.com

@decotile

Locations

Toronto
Head Office + Warehouse

143 Tycos Dr.
Toronto, ON M6B 1W6
416 413 7985

Oakville
Showroom

550 Speers Rd. Unit #2
Oakville, ON L6K 2G3
905 582 7985