



Technological  
marble

UNLIMITED  
MARBLE

**COMPAC**  
THE SURFACES COMPANY

COMPAC  
THE SURFACES COMPANY



1

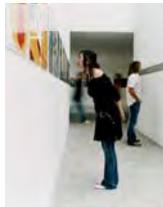
## THE SURFACES COMPANY

2

## What is technological marble?

Competitive advantages

Recommendations for use



3

## THE COLLECTION

COLORS

TECHNICAL SPECIFICATIONS

4

## Certifications







# THE SURFACES COMPANY

1



COMPAC is a pioneer European company in manufacture and marketing of compacted, technological marble and quartz surfaces through the employment of engineered stone technology. Founded in 1975 in a small town in Valencia (Spain), this small family business has undergone constant growth to become the leading international company it is today, with production centers in Spain and Portugal and with presence across the 5 continents through its own warehouses and a network of over 250 associate distributors.

The company has a deeply rooted culture of technological innovation aimed at not only satisfying the functions needs of construction and habitat, but also the accomplishment of more personal, attractive and healthy areas.

This strive towards daily wellbeing and search to express creative capacity of people defines the lines of research followed by COMPAC over recent times and which can be defined by one single word: **SUSTAINABILITY.**

We continue along a path taken right from the birth of the company and which has become part of its personality: the recycling of materials through technological innovation to elaborate a quality product improving the characteristics and features of the original product without losing its natural values.





# What is technological marble?

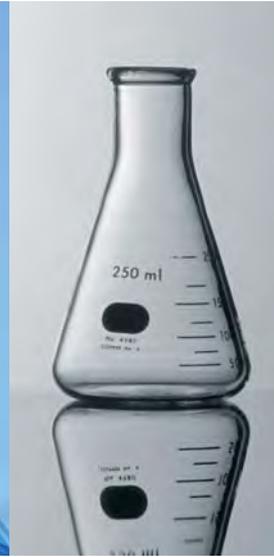
2

**Technological marble** is an advanced composite product containing between **91%** and **96%** of natural marble to which resins and other binders are added, so that, through an advanced technological process known as **“Engineered Stone”** based on vacuum vibro-compression, an improved product is achieved bettering natural stone while maintaining its essence and substantially enhancing its functional properties and decorative possibilities.





4 / 0.1  
160 / -



# COMPETITIVE ADVANTAGES



**Technological marble** came about through advanced vision of the limitations of natural Stone for use in the modern construction trade stemming from its lack of uniformity and scarcity as a raw material.

Over-exploitation of quarries and the large quantity of unusable residues from stone quarrying were the cause for the search for a product capable of expressing new and innovative aesthetic and functional ideas in modern architecture while at the same time respecting the environment.

This contemporary, innovative product is COMPAC's technological marble, with which unique, personalized projects can be designed based on the tastes and needs of the end users.







## Specialists prefer COMPAC technological marble because of its characteristics and quality:



With a hardness that is similar to natural stone, its resistance to impact and breakage is much greater owing to its enhanced flexibility.



This product is lighter and therefore easier to transport, handle and machine.



Its porosity is practically null, and therefore absorption of water and other liquids is minimal, thus achieving a hygienic product that is both easy to clean and maintain.



Unlike natural stone, technological marble is uniform, and can be fitted to large surfaces without breaks or differences in color tone being noticeable.



Like natural stone, technological marble can be polished, thus maintaining its shine and original appearance for longer.



It is a versatile product insofar as colors, textures, sizes and applications are concerned, and can be used on floors, walls, bathroom countertops, building facades, staircases, fireplaces, door frames, etc.



## Recommendations for use

Owing to its special characteristics and durability, technological marble is appropriate for use as an advanced alternative to natural stone or other construction materials in a large number of applications.



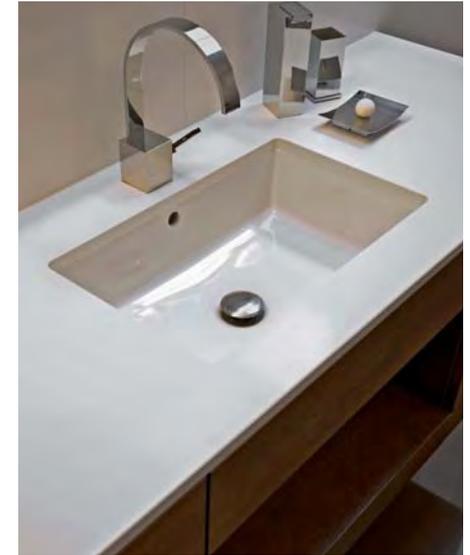
On high transit surfaces (airports, stations, shopping malls, public buildings, etc.) where its uniformity, resistance, ease of maintenance and decorative possibilities find the best place to show off their qualities.



This is a high performance product for use [indoors](#) or [outdoors](#), since it keeps its qualities even under extreme climatic conditions.



Because it is both versatile and easy to handle it is the ideal product for fitting and combining on staircases, fireplace surrounds, door and window frames, cladding columns, furniture tops and many other applications that permit developing decorative projects only limited by one's imagination.



Because of its decorative capacity and practically zero porosity, it is highly recommended for use at home, especially in bathrooms where it can be used to tile floors, walls or on countertops.





## THE COLLECTION

The wide variety of colors, textures, sizes and finishes of COMPAC's technological marble allows highly decorative and functional ambiances to be designed. Because it is easy to handle and is so versatile, it permits all manner of combinations and shapes albeit in large open-plan buildings or in small corners in houses.

Inspired on the latest decorative trends, the different product lines adapt to all kinds of spaces and ambiances, from the most avant-garde to those where the classic essence is maintained.

3











Floor and skirting  
board:  
**BEIGE FARAYA**

Wall and countertop:  
**WHITE FARAYA**

Column and frieze:  
**CAMELO  
POLISHED**

Countertop:  
**CAMELO**









Floor and staircase:  
**WHITE FARAYA**

Bar and wall:  
**BEIGE FARAYA**

Wall shelf:  
**BLANCO MICRO**





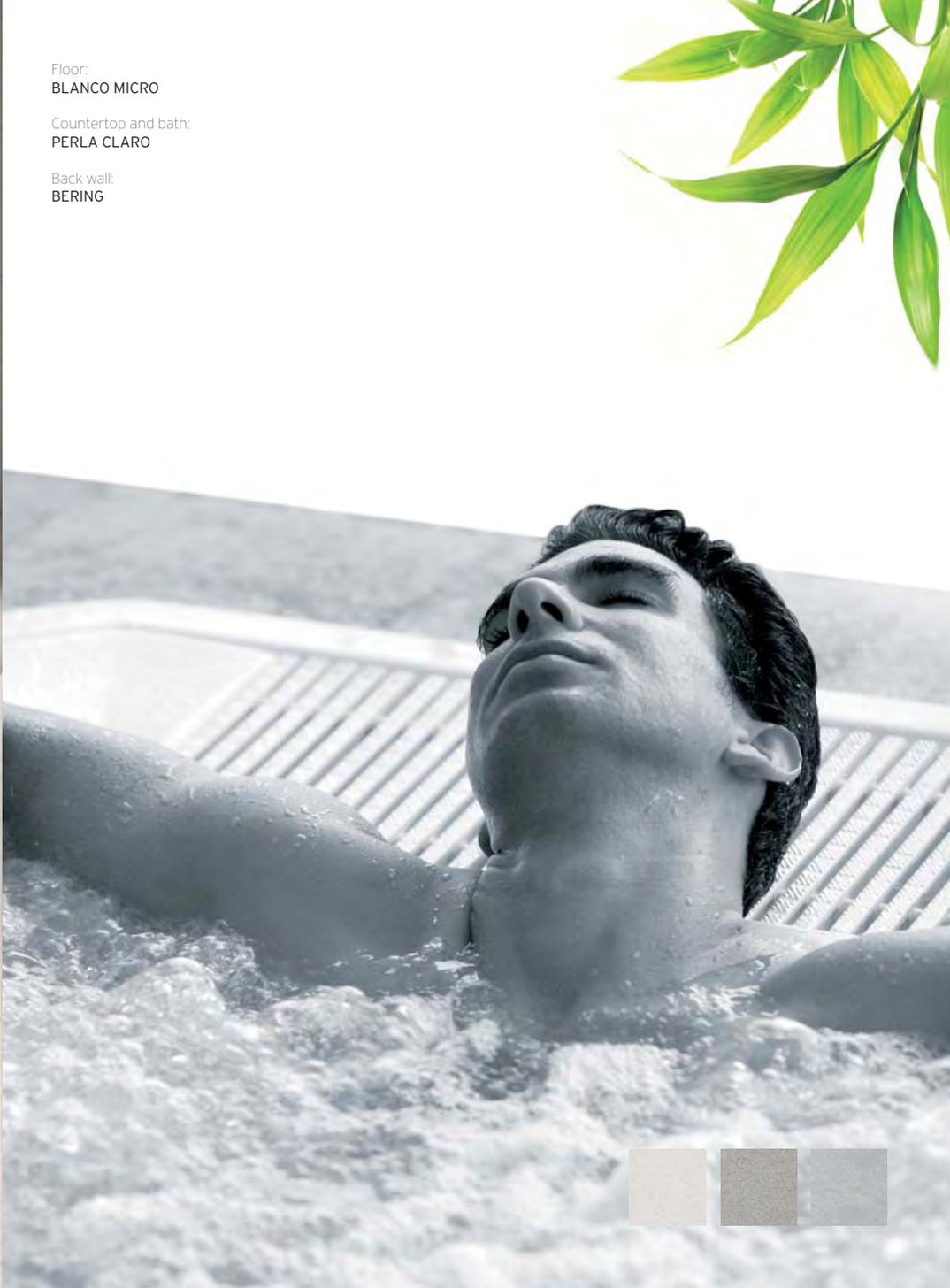




Floor:  
**BLANCO MICRO**

Countertop and bath:  
**PERLA CLARO**

Back wall:  
**BERING**





Partition wall:  
**NUBIA FOG**

Walls:  
**CREMA VALENCIA**

Floor and countertop:  
**CREMA ALTEA**







# COLORS

★ POLISHED

● SILKEN\*

ⓕ COLORS AVAILABLE FOR USE ON BUILDING FAÇADES

\* Only available in 3/4" and 1 1/4" (by special order)



MICRO THASSOS

★ ● ⓕ



BLANCO STONE

★ ●



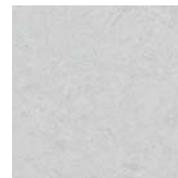
BLANCO MICRO

★ ● ⓕ



FIDJI

★ ● ⓕ



WHITE FARAYA

★ ●



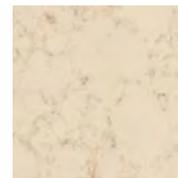
PANAMÁ

★ ●



CREMA ALTEA

★ ● ⓕ



CREMA VALENCIA

★ ● ⓕ



NUBIA FOG



BEIGE FARAYA



NACARADO



MARFIL STONE



CARAMELO



BERING



PERLA CLARO



# TECHNICAL SPECIFICATIONS



# finishes

✳ POLISHED, gloss finish.

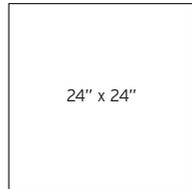


Ⓢ SILKEN, rough and smooth finishes.



## Dimensions

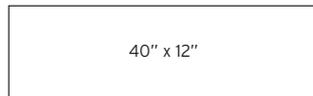
### STANDARD SIZES



Useful measurement of slab  
120" x 48".

Standard thicknesses:  
1/2", 3/4" and 1 1/4" depending  
on application and size.

### AVANT-GARDE FORMAT THE EXTRA-LARGE FORMAT

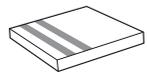
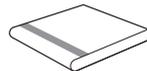


COMPAC THE SURFACES COMPANY  
has created a bigger format that  
provides some spectacular results.  
Consult all lines, colors and finishes of  
technological marble available in  
AVANT-GARDE format.

## Edges



### Applications with Carborundum® for staircases and ramps



## Finishes

★ **POLISHED**  
Gloss finish

Ⓢ **SILKEN\***  
Very pleasant smooth  
and rough texture

\* Only available in 3/4"  
and 1 1/4" (by special  
order)

## Applications

FLOOR TILES

WALL TILES

STAIRCASES

COUNTERTOPS

FRIEZES

DOOR AND WINDOW  
FRAMES

COLUMNS

FIREPLACES

FURNITURE, ETC

ⓕ **USE ON BUILDING  
FAÇADES**

**NOT RECOMMENDED  
FOR KITCHEN  
COUNTERTOPS**

## Principal advantages



## Measuring

### Templates

Taking measurements for some  
pieces can be difficult. Therefore  
we recommend the use of templates  
in order to guarantee correct  
production of each piece.

### Staircases

For staircases we recommend  
sending templates for making the  
following pieces:

- Intermediate landing treads.
- Special starting step of a staircase.
- Hollow with light (send light or  
template of the section).

### Cladding

For cladding on irregular circular  
pillars, send a negative template of  
the section.

## Transport

Slabs are loaded onto trucks using  
a crane, positioning the group of  
slabs leaning lengthways along the  
truck. The resting supports of the  
pieces imitate a double "A" shape  
secured at the base. To avoid  
adjacent faces suffering damage  
during transport, the material is  
protected with polyethylene  
sheeting, and protective wax strips.

For container transport the slabs  
are positioned upright and secured  
by means of special pallets for slabs.  
It is also possible to use the same  
system as for truck transport.

## Packing list

Tile Size	Thickness	Pieces/Box	Sqf/Box	Wt/Box (lbs)	Boxes/Pallet	Wt/Pallet (lbs)	Pallets/20' container
24" x 16"	1/2"	4	10.3	68.2	28	1,909.6	29
24" x 24"	1/2"	3	11.6	72.6	32	2,356.2	19

### QUARTZ SLABS PER CONTAINER SHIP (20')

Thickness	3/4"	1 1/4"
Slabs	102	64

The weight of the cardboard on the boxes and the wood of the pallets are included.  
Approximate weights.

## Colors

	 POLISHED	 SILKEN	 FAÇADES
MICRO THASSOS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BLANCO STONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BLANCO MICRO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FIDJI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WHITE FARAYA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PANAMÁ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CREMA ALTEA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CREMA VALENCIA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NUBIA FOG	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BEIGE FARAYA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NACARADO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MARFIL STONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CARAMELO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BERING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PERLA CLARO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- All thicknesses
- Only available in 3/4" and 1 1/4" (by special order)
- Can be used on building façades

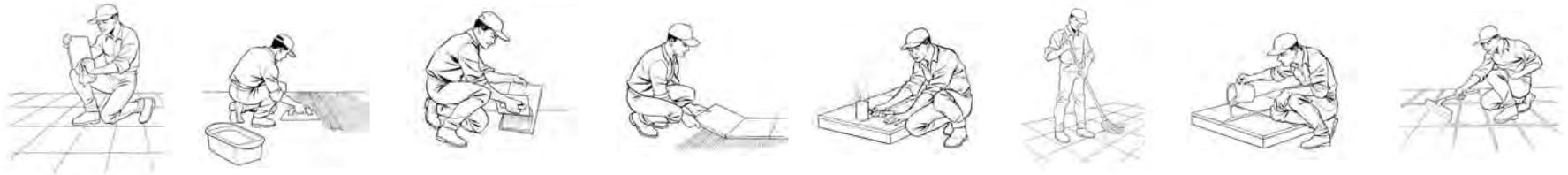
# Fitting instructions and maintenance.

## Fitting of floor tiles with glue mortar on technological marble surfaces.

The instructions of the glue mortar manufacturer should be followed for water addition and mix preparation time. We recommend the use of CLASS C2F Cement based adhesives (prEN 12004) as per the European Standards (cement adhesive (C), improved (2)) type F55 Cermono Rapido by CERCOL, Pegoland Fast fluido by Puma Group, Granirapid by MAPEI, among others. There are brands that specialize in special material for grouting expansion joints.

If fitting in areas where the material will be subject to high thermal loads, Class R2 glue mortar should be used. To install on special surfaces (ceramics and plaster) a suitable bonding agent should be chose for that surface.

Not meeting these fitting and maintenance instructions exempts the manufacturer from all liability through improper or imperfect fitting.



### Fitting directions

**A** In order to fit technological marble, it must be taken into account that the humidity contents of the surface must be below 2%. If humidity is above this value, suitable waterproofing of the surface will be necessary.

**B** Both the tiles and the floor must be clean, dry and dust free. Any grease, paint or pollutants must be cleaned off. The planimetrics of the surface must not report any variations (sand + resin + cement).

**C** Level the floor with a leveling paste. Spread the glue mortar on the floor, using a serrated float, to a thickness of approximately 0.39".

**D** Spread glue mortar on the reverse side of the tile using a serrated float to a thickness of 0.23" to 0.31" (double gluing).

**E** Fit the tiles one after the other leaving expansion joints every 430.556 sqf.

Always leave a 0.19" perimeter expansion joint and at least 0.078" between tiles.

When laying tiles outdoors, the minimum gap between tiles should be at least 0.19" and partition joints must be carried out every 322.917 ft. When fitting larger sized tiles than standard, the gaps must be increased in proportion to the size of the tiles.

**F** Tap the tiles using a rubber mallet so that it is completely affixed to all the glue mortar.

**G** Clean the base mortar or any other material that oozes between the joints using a moist mop, before grouting.

**H** Apply the grout using white cement grout (BL V 22.5 UNE 80305 96) 24/48 hours afterwards. To fill in joints between tiles use grout cement in accordance with the Standard UNE EN 13888. There are colored cement grouts available on the market that can be used for this purpose.

**I** Completely clean off any grout remaining on the tiles immediately.

**DO NOT LAY TILES WITHOUT SPACING GAPS**

### Maintenance instruction

#### Daily

Clean off any sand or grit from transit by vacuuming. Clean using a surface dust mop.

Clean any stains using a damp cloth without any detergent.

#### Periodically

Application by means of a Nilfisk BB.2N or Caselli x-2 vitrified waxing machine followed by a coat of shine and finish with Nilfisk BB.3 or similar.

Depending on the frequency of use and the state of preservation, de-layering and de-scaling can be carried out using a disk polisher comprising aluminum filings, successively applying the following coats: de-layering and de-scaling with Nilfisk BB.1 or Caselli X-1. Vitrify, shine and finish as described previously.

# Technical card

PROPERTY	TEST METHOD	UNIT OF MEASUREMENT	TYPICAL VALUES
<b>FIRE REACTION (EUROCLASSES)</b>	EUROCLASSES UNE-EN-ISO 9239-1:2002 and ISO 1716:2002	EUROCLASSES	A2fl s1
<b>LINEAR THERMAL EXPANSION COEFFICIENT</b>	UNE EN 14617-11:2006 Agglomerated stone. Determination of linear thermal expansion coefficient.	°C-1	14,8-26.4x10e-6
<b>FLEXURAL STRENGTH</b>	UNE EN 14617-2:2005 Agglomerated stone. Determination of flexural strength.	MPa	24.3 -30.1
<b>IMPACT RESISTANCE</b>	UNE EN 14617-9:2005. Agglomerated stone. Determination of impact resistance.	J	3-6
<b>SLIP RESISTANCE</b>	UNE EN 1341:2002 Tiles of natural stone for external paving. Requirements and test methods.	USRV	Polish: 5-6 wet / 44-60 dry Silken: 21 wet / 55 dry
<b>WATER ABSORPTION</b>	UNE EN 14617-1:2005 Agglomerated stone. Determination of water absorption.	%	0.041-0.105
<b>COMPRESSION RESISTANCE</b>	UNE EN 14617-15:2005 Agglomerated stone. Determination of the compression resistance.	MPa	130.6-137.0
<b>APPARENT DENSITY</b>	UNE EN 14617-1:2005 Agglomerated stone. Determination of water absorption.	g/cm <sup>3</sup>	2.45 - 2.49
<b>ABRASION RESISTANCE</b>	UNE EN 14617-3:2005 Agglomerated stone. Determination of the abrasion resistance.	mm	33-36
<b>CHEMICAL RESISTANCE</b>	UNE EN 14617-10:2005 Agglomerated stone. Determination of chemical resistance.	C1 C4	Acid: C1 (material which keeps below 60% of the reflection reference value after 8 h of acid attack) Alkali: C4 (material keeps at least 80% of the reflection reference value after 8 h of basic attack)
<b>SURFACE HARDNESS</b>	UNE EN 14617-15:2005 Agglomerated stone. Determination of the compression resistance.	MOHS	3 - 4

The values provided in this technical sheet are indicative and are therefore non-binding. For further information, please contact our technical department.



## Certifications

4

**COMPAC** technological marble is a high quality product that is capable of overcoming the highest technical and functional demands of professionals and end users alike. It is also a product that has been awarded the **Greenguard Indoor Air Quality** stamps that certify contribution to creating health indoor environments since no volatile emissions are released and **Greenguard Children & Schools** mark that endorses the use of these products in schools and other buildings where children spend long periods of time.





**SPAIN**

Travessera d'Albaida, 1  
46727 Real de Gandia · Valencia (Spain)  
T: +34 902 300 155 · F: +34 96 295 41 51  
info@compac.es

**www.compac.us**

**California**

GRAMMAR STONE CENTER  
700 E. Katella Avenue, Anaheim,  
CA 92805  
Phone: 714-533-2244

**Florida**

COMPACSTONE USA, INC. Miami, FL  
1666 NW 82 Avenue, Miami, FL 33126  
Phone: 305-406-3600

**Georgia**

COMPACSTONE USA, INC. Dalton  
2920 Dug Gap Road, Dalton, GA 30720  
Phone: 706-270-0099

**Illinois**

UNIVERSAL GRANITE & MARBLE (UGM)  
3555 South Normal Avenue, Chicago,  
IL 60609  
Phone: 773-268-4500

**Massachusetts**

LEAMAR INDUSTRIES  
171 Locke Drive # 114, Marlborough,  
MA 01752  
Phone: 508-786-3088

**Michigan**

UNIVERSAL GRANITE & MARBLE (UGM)  
31201 Mally Drive, Madison Heights,  
MI 48071  
Phone: 248-733-9200

**Missouri**

UNIVERSAL GRANITE & MARBLE (UGM)  
8957 Frost Avenue, St. Louis, MO 63134  
Phone: 314-983-0700

**New Jersey**

EARTH STONE & TILE, INC.  
145 Division St., Elizabeth, NJ 07201  
Phone: 908-352-4777

**North Carolina**

AVANTI  
1000 Parliamt Court 300, Durham,  
NC 27703  
Phone: 866-264-3281

**Nebraska**

UNIVERSAL GRANITE & MARBLE (UGM)  
6950 S 108th Street, Lavista, NE 68128  
Phone: 402-597-8971

**Ohio**

UNIVERSAL GRANITE & MARBLE (UGM)  
7700 Oak Leaf Road, Oakwood Village,  
OH 44146  
Phone: 440-439-6600

**Pennsylvania**

ALPHA STONE GALLERY  
Airport Business Complex,  
10 Industrial Highway MS-54  
Lester, PA 19113  
Phone: 610-521-4070

**South Carolina**

STONE HORSE IMPORTS, INC.  
1181 May River Road, Hwy 46, Bluffton,  
SC 29910  
Phone: 843.757.7866

**Texas**

PACIFIC SHORE STONES  
10220 Metropolitan Drive, Austin,  
TX 78758  
Phone: 512-339-2300

**Wisconsin**

UNIVERSAL GRANITE & MARBLE (UGM)  
7739 South 6th Street, Oak Creek,  
WI 53154  
Phone: 414-571-0000

**Ontario, Canada**

INTERSTONE MARBLE & GRANITE  
3240 Langstaff Road, Unit D, Concord,  
Ontario L4K 4Z8  
Phone: 905-760-1077

**Surrey, BC, Canada**

HARI STONES LTD  
13042 84 Avenue, Surrey, BC V3W 1L2  
Phone: 604-598-1450