

Petra Porcelain



Petra Porcelain is a homage to the carved structures seen in archaeological sites. A mix of simulated stone textures and sizes, plus authentically honed, lappato (light polish), or superior textured, skid-resistant finishes capture a fresh edge with a historical reference in this latest iteration of tactile, rusticated eco-porcelains.

Spec ID#'s are listed for 12" x 24"



Ecru
Honed: FLSRI897
Textured, Skid-Resistant: FLSRI899
Lappato: FLSRI898



Fawn
Honed: FLSRI912
Textured, Skid-Resistant: FLSRI914
Lappato: FLSRI913



Grey
Honed: FLSRI882
Textured, Skid-Resistant: FLSRI884
Lappato: FLSRI883



Noir
Honed: FLSRI927
Textured, Skid-Resistant: FLSRI929
Lappato: FLSRI928



Even Hotel Times Square South, New York, NY
Glen and Company
Featuring Petra Porcelain - Noir - Honed - FLSRI927

View collection web page for the complete offering including additional product options, corresponding Spec ID# and updates.

SPECIFICATIONS

SIZE: 4" x 12", 8" x 48", 12" x 24", 12" x 48", 24" x 48"; **Spec ID#'s are listed for 12" x 24"**

THICKNESS: .35" (9mm), .39" (10mm)

FINISH: Honed, Lappato, Textured, Skid-Resistant

APPLICATION: Floors and Walls; Interior or Exterior

- COF: DRY = .91 WET = .47
- Can contribute to LEED®
- Please note that variations in color and texture may occur due to the nature of the material

INSTALLATION METHOD

Laying

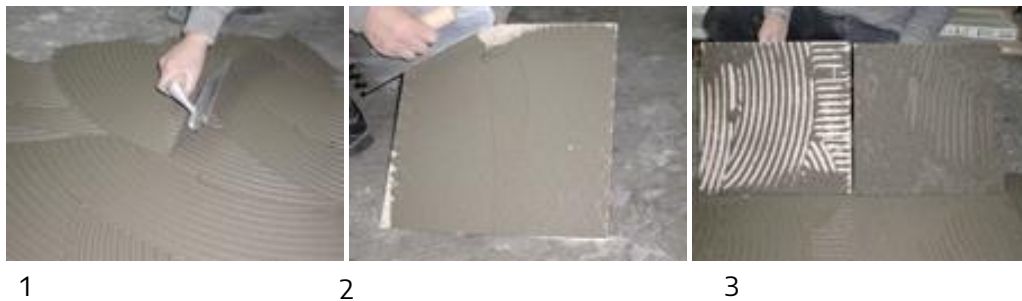
How a floor is laid is of great importance. A well-laid floor enhances all of the aesthetic qualities of the material used.

Check that the bed (concrete slab) is perfectly level and completely dry and smooth
Use a cleaning device, such as a vacuum, to carefully remove dust and residues.

After having chosen a suitable thin-set mortar and having prepared it to follow the manufacturer's instructions, spread the thin-set mortar with a smooth spatula and then comb it with the tooth part (1).

ASI strongly suggests the use of polymer-modified thin-set mortar. Polymer-modified thin-set mortar will increase the lifetime of your installation.

For heavy traffic floors, a double layer of thin-set mortar is recommended (2). Thus, wetting the back of the product itself with thin-set mortar (2). This procedure prevents the possible creation of holes that could cause breakage (see the difference between spreading and double spreading) (3). After approximately 24-48 hours, it is safe to proceed to grout. The laid floor must be cleaned carefully and then grouted all over its surface using a rubber spatula. It is advisable to use colors similar to the floor, in order to obtain a harmonious end result.



How to cut

It is necessary to use suitable, professional tools, always checking their cutting capacity and replacing worn parts when necessary. For accurate cutting use a traditional cutter, checking the state of the cutting wheel before starting.

For circular cutting, after having made a template (that is to say a pattern of the part to be cut), lay it on the part in question and transfer the shape with a pencil. Using a diamond-cutting disk, cut without exerting excessive pressure (4-5).



How to make holes:

It is necessary to use a water milling cutter or a continuous crown diamond-cutting disk for stoneware and granite tiles. After having penciled (6) – on the back of the product – the perimeter of a square within which the hole must be made, use the cutting tool to cut perpendicular and diagonal lines and then concentric circles towards the outside (7). The pictures at the side illustrate in detail the cuts to follow. When the central thickness of the hole has become very thin, turn the piece over and open up the hole by tapping lightly (8). For holes in tiles a diamond point's drill for granite must be used. It is important to remember to cool the points often while working.



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MAINTENANCE

Quality

ASI products are produced using the highest quality standards and the finest available raw materials. Glazed and unglazed porcelain products marketed under the manufacture trademarks are fully vitrified, resulting in extreme durability, hardness, and low water absorption. ASI products are highly stain and wear resistant. However, as with every surface material, a basic cleaning and maintenance program should be followed to maintain a satisfactory appearance and an acceptable level of performance.

Care During Construction

ASI products are classified as a finish material. As such they should not be installed until after any heavy construction work has been completed. In instances where the ASI products are installed prior to the completion of construction special care must be taken to protect the tile until it is put into normal service. The general buildup of dirt and debris present on any construction site may negatively affect the performance of the tile if it is left unprotected. The best way to protect the tile surface is to cover it with a protective layer of Kraft paper, carpeting, cardboard, plywood, or any other material that will not adversely affect the tile surface.

Initial Cleaning and Maintenance

The most important cleaning operation is performed immediately after the tile has been set. This involves the complete removal of grout residue and construction dirt from the newly installed ASI products. Grout manufacturers provide directions for the cleanup of their products after installation has been completed. These directions should be followed. In many cases ASI products can be successfully cleaned by scrubbing with a mild detergent, combined with a thorough rinsing. It is critical that all rinse water be removed through wet vacuuming or dry toweling. Should any grout residue remain this process can be repeated several times as necessary.

For highly textured products, or when using a dark colored grout with a light-colored tile, a grout release may be used prior to grouting to assist in the removal of the grout from the surface of the tile. Before grouting, the contractor should test a small area of the tile to determine if the chosen color grout will discolor the surface of the tile, in which case a grout release should be utilized. Please follow the specific manufacturer's instructions for the use of any grout release product.

Surface Coatings

The inherent density and low water absorption of all ASI products ensure a product that is easy to maintain. ASI products do not require the use of sealers or waxes. These surface coatings may negatively affect the performance of the tile.

In some instances where an unglazed, polished porcelain product is used in an area subject to excessive exposure to dirt, a penetrating type sealer may be used. A penetrating sealer is designed to fill the microscopic pores created during the polishing process. It is not designed to coat the surface of the tile.

We recommend that all sealers be tested in a small inconspicuous area before general use on the floor. Please ensure you follow the manufacturer's instructions when using a penetrating sealer and do not allow the sealer to dry on the surface of the tile.

Regular Maintenance

The inherent technical characteristics of ASI products ensures that they will be relatively easy to maintain and should provide years of enjoyment. Many general-purpose cleaners that are readily available are acceptable for use on ASI products. It is important that the cleaner has a non-oil, non-animal fat, non-soap base. These components can leave behind an invisible residue which can trap dirt. It is also important that the tile receive a thorough rinsing with clean water after the cleaning process has been completed.

The general cleaning steps for ASI products can be summarized as follows:

1. Remove all loose debris from the tile by sweeping with a soft bristle broom or vacuuming.
2. Any spills should be wiped up as quickly as possible.
3. Apply the recommended amount and dilution of the appropriate cleaner to the tile. Allow the cleaner to remain on the tile for short period of time (at least 5 minutes).
4. For unpolished tile, scrub with a nylon pad or soft bristle brush. For more heavily soiled floors a floor machine equipped with a nylon pad or bristle brush may be used. For polished tile, wipe or mop with a nonabrasive mop or cloth.
5. Remove the dirty cleaning solution and water with a wet vacuum or mop. Thoroughly rinse the tile with clean water and remove with a wet vacuum, mop, or towel. It is essential
6. for all detergent residues to be completely removed from the tile. Any remaining detergent residue can dry on the tile and form a coating which can trap dirt and be very difficult to remove. The tile should be rinsed several times if necessary, to remove all detergent residue.

The frequency and timing of any maintenance program is dependent on the specific characteristics of each tile application. Factors such as foot traffic, environmental conditions and product color should be considered when planning your maintenance schedule. In high traffic areas, or in areas subject to excessive exposure to dirt, a more frequent cleaning schedule may be necessary.

A Word About Cleaners

There are many excellent cleaners on the market today which should provide you with satisfactory results. All-purpose household cleaners such as Soft Scrub, Top Job, Mr. Clean, Ajax Liquid, Dow Bathroom Cleaner, Liquid Comet, and Fantastik are all suitable for general purpose cleaning of Aegean products. Soap less detergents such as Spic & Span and 409 may also be used. For the removal of stains on unpolished tile, scouring powders such as Comet, Bon Ami, or Ajax may be used. These may be used in conjunction with a nylon pad or soft bristle brush. Steel wool is not recommended.










For heavier cleaning requirements or commercial applications, products manufactured by Aqua Mix, Hillyard Industries, Walter G. Legge Co., or CeramaSeal may be used. These products are available through your local ceramic tile dealer. In all cases please ensure you follow the manufacturer's instructions. We also strongly recommend that all cleaners be tested first in a small, inconspicuous area before general use on the floor.

WARRANTY

1 year limited Commercial and or Residential warranty

- ASI warranty that its products meet or exceed the performance specification outlined in ANSI A137. Our porcelain is first quality product that is provided through the production facility.
- Approved use for Commercial and residential projects and installations
- Our products should be examined prior to installation
- Missuses of the product by the purchaser including; negligence, physical or chemical abuse is not covered thy this warranty
- Installation defects are not covered by this warranty
- Visual defect or non-conformities apparent prior to installation are not covered thy this warranty
- This warranty will cover our products purchased by a residential or commercial user for up to 12 months from the date material is shipped
- Certain factors on a jobsite are beyond our control; installation, structural design & environmental conditions
- In the event of latent defects caused by improper manufacture, defined as tiles not conforming to industry standards, ASI will either refund the price for the defective pieces or provide replacement material of the same kind. ASI will not be responsible for any costs of labor, installation and/or removal of our products.
- ASI does not warrant that our glazed and unglazed porcelain will not scratch, chip or show signs of wear.
ASI makes no implied warranties of merchantability or fitness for a particular purpose or any other warranties expressed, or implied warranties implied, except as otherwise set forth above. Under no circumstances shall ASI be liable for incidental or consequential losses, damages, or expenses, directly or indirectly arising from the sale, handling or use of our products. No consequential (including loss of profits) or incidental damages are recoverable.

TECHNICAL DATA

Grati proizvodnje smetaju Standard porcelain stoneware Grati proizvodnje smetaju Standard Feinsteinzeug Grati proizvodnje smetaju Standard keramische tegelsteine Grati proizvodnje smetaju Standard keramische tegelsteine Grati proizvodnje smetaju Standard keramische tegelsteine	Classificazione secondo norme Classification in accordance with Classification selon les normes Klassifizierung gemäß Normen Classification según normas Klassifizierung gemäß Normen Klassifizierung gemäß Normen	EN14411 allegato G & ISO 13006 allegato G EN14411 Annex G & ISO 13006 Annex G EN14411 Anexo G & ISO 13006 Anexo G EN14411 Anhang G & ISO 13006 Anhang G EN14411 adjunto G & ISO 13006 adjunto G EN14411 Anhang G & ISO 13006 Anhang G EN14411 Anhang G & ISO 13006 Anhang G	gruppi Rta G1 group Rta G1 gruppo Rta G1 gruppe Rta G1 grupo Rta G1 grupos Rta G1 Rta G1, G2
PROPRIETÀ FISICO-CHIMICHE PHYSICAL-CHEMICAL PROPERTIES PROPRIÉTÉS PHYSICO-CHIMIQUES PHYSIKALISCH-CHEMISCHE EIGENSCHAFTEN PROPIEDADES FÍSICO-QUÍMICAS СВОЙСТВА ФИЗИКО-ХИМИЧЕСКИХ 物理化學性能	TIPO DI PROVA STANDARD OF TEST NORME DU TEST TESTNORM TIPO DE PRUEBAS BMDKONTROLL 測試標準	VALORE PREScritTO REQUIRED VALUE VALEUR PRESCRITE VORGESCHREBENER WERT VALOR PRESCRITO PREDNADJENAS TROJNOST' 要求值	VALORE MEDIO AVERAGE VALUE VALEUR MOYENNE MITTELWERT VALOR MEDIO СРЕДНЕ ЗНАЧЕНИЕ 均值
 <p>dimensioni sizes dimensionen dimensionas размеры 尺寸</p>	ISO 10545.2	<p>lunghezza e larghezza / length and width / longueur et largeur Länge und Breite / largura e anchura / длина и ширина / 長度及寬度 spessore / thickness / épaisseur / Stärke / espesor / толщина / 厚度 rifornimento spigoli / linearity / rectitude des arêtes Kantengeradheit / rectitudinalidad cantos / ровность углов / 棱线度 ortogonalität / wedging / orthogonalität Rechtwinkligkeit / ortogonalidad / ортогональность / 垂直度 planarität / warpago / planität / Ebenföchtigkeit / planität / ровность / 平整度</p>	<p>= 0,6% = 2% = 0,5% = 0,2% = 0,5%</p>
 <p>assorbimento d'acqua water absorption absorption d'eau Wasseraufnahme absorción de agua поглощение 吸水率</p>	ISO 10545.3	$E \leq 0,5\%$	0,04%
 <p>resistenza alla flessione bending strength résistance à la flexion Biegefestigkeit resistencia a la flexión прочность на изгиб 抗彎強度</p>	ISO 10545.4	<p>modulo di rottura / module of rupture / module de rupture Bruchmodul / módulo de rotura / прочность на разрыв / 斷裂模數 carico di rottura / breaking strength / charge de rupture Bruchlast / carga de rotura / нагрузка разрыва / 斷裂強度 $R > 55 \text{ N/mm}^2$ $S \geq 1300 \text{ N}$</p>	<p>55 N/mm² > 1700 N</p>
 <p>resistenza all'abrasione resistance to abrasion résistance à l'abrasion Abrasion resistencia a la abrasión устойчивость к истиранию 抗磨損性</p>	ISO 10545.7	secondo i dati del costruttore according to manufacturer's data selon les données du constructeur laut Angaben des Herstellers según los datos del constructor в соответствии с данными производителя 請參閱技術資料	<p>Indicata nel catalogo indicated in the catalog indiqué dans le catalogue im Katalog angegeben indicada en el catálogo указана в каталоге 在目錄中的指示</p>
 <p>coefficiente di dilatazione termica lineare coefficient of linear thermal expansion coefficient de dilatación thermique lineal Wärmeausdehnungskoeffizient coeficiente de dilatación térmica lineal коэффициент линейного расширения 熱膨脹係數</p>	ISO 10545.8	<p>metodo disponibile test method available méthode disponible verfügbares Verfahren método disponible доступный метод 可以使用的測試方法</p>	$6,5 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$
 <p>resistenza agli sbalzi termici resistance to thermal shock résistance aux variations thermiques Temperaturwechselbeständigkeit resistencia a los cambios de temperatura устойчивость к перепадам температуры 抗熱衝擊性</p>	ISO 10545.9	<p>metodo disponibile test method available méthode disponible verfügbares Verfahren método disponible доступный метод 可以使用的測試方法</p>	<p>garanzia guarantía garantie garantía гарантия 保證</p>
 <p>resistenza al gelo frost resistance résistance au gel Frostbeständigkeit resistencia a las heladas устойчивость к морозам 耐凍性</p>	ISO 10545.12	<p>non devono presentarsi rotture e alterazioni apprezzabili della superficie must not produce noticeable alterations to surface ne doivent pas présenter des ruptures ou altérations trop importantes de la surface Charakteristisches für sie können Risse oder Schäden aufweisen no deben presentar roturas o alteraciones apreciables de la superficie не должны быть заметны трещины и повреждения поверхности 表面不應出現裂紋或明顯改變</p>	<p>non guano frost proof non givens frostbehar resistentes a las heladas устойчивость к морозам 耐凍的</p>
 <p>resistenza ai prodotti chimici chemical resistance résistance aux produits chimiques Chemikalienfestigkeit resistencia a los productos químicos устойчивость к химикатам 耐化學性</p>	ISO 10545.13	<p>non devono presentarsi apprezzabili segni d'attacco chimico must not produce noticeable signs of chemical attack ne doivent pas présenter des signes trop évidents d'attaque chimique sich dürfen keine sichtlichen Zeichen einer chemischen Zersetzung vorweisen no deben presentar apreciables señales de ataque químico не должны быть заметны признаки химического воздействия 不應出現明顯的化學作用</p>	<p>non attaccati not attacked non attaccati nicht angegriffen no atacados устойчивость к химикатам 沒有被侵蝕</p>
 <p>resistenza alle macchie stain resistance résistance aux taches Fleckenbeständigkeit resistencia a las manchas устойчивость к пятнам 耐污性</p>	ISO 10545.14	$f < x < 5$	<p>¹ classe 5 - macchie rimosse con acqua corrente calda (poca d'abiezione) ¹ class 5 - stains removed with warm running water (partial abiection) ¹ classe 5 - taches enlevées à l'eau courante chaude (peu d'abiection) ¹ Gruppe 5 - Fleckenentfernung mit fließendem warmen Wasser (stark abiection) ¹ class 5 - manchas que se pueden retirar con agua corriente caliente (poco abiection) ¹ class 5 - пятна удаляются горячей струей воды (слабая абиеction) 類別5-使用溫熱的水容易清除污漬(少量被清除)。</p>