

STRATICA[®]
For all the right reasons.



Jeremy

Cassandra

Conner

Stratica: For all the right reasons.

Design Professionals today face challenges in their search for sustainable high performance building products that reduce the environmental impact of their projects.

Stratica Eco-Polymeric™ flooring was developed to enhance the overall function of the facilities in which it is installed. By achieving this, we have given designers an opportunity to create an environment in which people can thrive while working, learning and healing.

With over 40 years experience in creating and producing premium resilient flooring, Amtico International has a well defined understanding of the challenges faced by environmentally conscious specifiers.

Stratica offers unrivalled environmental benefits including no chlorine, no plasticizers, no detectable VOC emissions, a low VOC adhesive and simple maintenance requiring only neutral cleaners.





Stratica: The Natural Choice

As a multinational flooring manufacturer we hold ourselves to the highest standards and this includes our responsibility to the environment. Amtico continually monitors and reviews its processes to facilitate improvements in our environmental performance.

In today's world where healthy surroundings are expected, Stratica is a big step in the right direction.

- Contains no chlorine and no plasticizers
- Stratica offers outstanding indoor air quality with no detectable VOC emissions and the adhesive used is in the lowest VOC category (EC1)
- Stratica requires no dressings or sealers and is maintained with only neutral cleaners, minimizing the environmental impact of caustic cleaners and strippers
- Promotes the well being of users by reducing foot fatigue and noise levels
- Amtico International is the first company in our field to be awarded the ISO 14001 Environmental Management System certification
- Made from 20% post industrial waste



Stratica: High Quality – High Performance

What discerns Stratica from other commercial flooring? Durability, unique construction, its low life cycle cost, and the environmental benefits to mention a few. Stratica's remarkable surface material – Surlyn® by Dupont is a durable polymer that requires no harsh chemicals to maintain.

- Stratica is very stain resistant and will not fade with age, heat or sunlight
- Life cycle costs are minimized without the use of caustic chemicals for maintenance
- High sound absorption creates a more productive and healing environment
- Stratica's unique construction also delivers a light weight product and in the case of fire, very low smoke density and toxicity

Stratica was not only designed to appeal to the environmental specifier but was also developed with them in mind. Stratica's range of woods and stones gives unsurpassed realism with a strong visual impact. The new Fusion and Malabar collections present innovative non-distinct designs to create unique fresh ideas with. Through Stratica's advanced design capabilities, designers and specifiers have the ability to direct foot traffic to various locations as well as provide individual detail.



THE CENTER FOR DISCOVERY, NEW YORK

We selected Stratica because it is Eco-Polymeric, non PVC and virtually VOC free.

Stratica: Breathe Easy

As healthcare facilities endeavor to create warm and welcoming environments for patients, visitors and staff, it becomes increasingly important for the decision makers who are responsible for improving quality *while controlling costs*, to find products that meet the standards required.

The Center For Discovery in New York, a residential school and outpatient facility for children and adults, is a place where breathing easy doesn't always come naturally – a place where air quality correlates directly with quality of life. Stratica was a perfect fit.

“Initially, we selected Stratica because it is Eco-Polymeric, non-PVC, and is virtually VOC free. But we found that it also possesses a number of other traits that make it even more appropriate. Stratica doesn't discolor. It doesn't track when wheelchairs roll across it. It's quiet. It has a matte finish. And most importantly, Stratica is very, very easy to maintain. Without the harsh chemicals that can be so damaging to the health of our residents and staff.” Patrick Dollard, CEO, The Center for Discovery.

“...the solution lies in safer,
healthier,
more relevant
building materials.”

Robin Guenther, AIA. Architect



BEATRICE TATE SCHOOL, UK

We wanted the floors to brighten and lift the spaces as well as be durable and easy to maintain.

Stratica: Learn Well

An education isn't something that can be built in a day and be expected to last. Nor can the buildings that serve education.

At Beatrice Tate School, a special needs educational establishment in London, the driving philosophy of “pride in our school, pride in our achievements”, has been brought to life through the refurbishment of the 1970's building.

The design brief was to create an improved teaching and learning environment, while at the same time reducing life cycle costs and meeting energy conservation targets. It has to withstand the daily traffic of pupils and staff, and at the same time be easy to clean.

“We wanted the floors to brighten and lift the space as well as be durable and easy to maintain. We have successfully achieved an environment that is welcoming, clean and friendly.” Jason Segovia-Hodges, MD Hallgate Specialist Services.

“...we wanted something
better for our students,
...light and warm and
healthy air”

Alan Black, Headmaster, Beatrice Tate School



NICI OFFICES, GERMANY

At Nici headquarters, Stratica flooring was chosen to compliment the Feng Shui-inspired office environment.

Stratica: Think Healthy

Workplace design has become a priority issue in the corporate environment. The office is no longer simply a place to work but a tool to improve productivity, promote cultural change, support corporate marketing, and recruit and retain good people.

“We chose Stratica for its durability and because of the choice of colors and finishes, particularly the authentic looking woods and stones.”

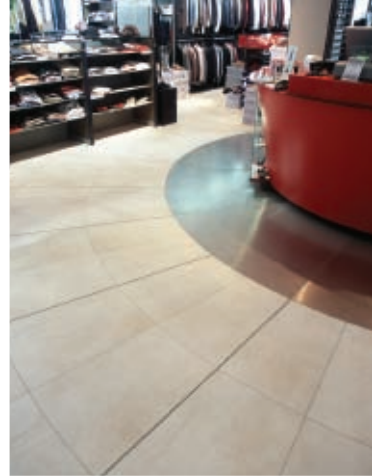
Nenad Lorenian, Director, Crane & Associates.

“The only solution was to work with Stratica which reflects all the quality and character of the real materials, but also allows for the quick installation of a complex floor design within a very tight program timeline”.

David Coventry, Development Director, FKICP

“**Easy** maintenance, high sound absorption, and the sheer **durability** meant that Stratica was the **perfect flooring solution**”

Thomas Drescher, Drescher Architects



Stratica: Tried and Tested

The real test for any product is the way that it performs in use. More than 10,000 Stratica floors have been installed in high traffic environments around the world. From healthcare, education and office environments, to retail stores, restaurants, hotels and airports. These are chosen and operated by environmentally aware architects, designers and property owners from some of the most well known companies in the world.

Stratica: Tried and Tested

VOC Emissions

Product	$\mu\text{g}/\text{m}^2/\text{h}$
Stratica	< 10 (below lowest quantifiable FLEC test detection limit)
Carpet	80-600 (depending on product type)
Vinyl	120-2,300 (depending on product grade)
Lino	170

Notes:
Indicates the weight of material emitted per square metre/per hour during test period.

Sources:
California Department of Health Services,
Indoor Air 96.

Product Wear Performance

Product	Wear in mm^3
Stratica	1.3
Vinyl	3.2
Rubber	4.2
Marble	7.2
Slate	7.3
Wood	7.8
Lino	9.8

Notes:
Frick Test Method used. Results indicate the volume of material eroded during the test period (100 cycles).

Smoke Emissions

Product	Emissions %
Stratica	2
Carpet	16-320
Vinyl	298
Lino	313

Notes:
DIN 4102 standard test method used.
Results indicate the measured % levels of SOD (Smoke Optical Density).

UV Light Stability

Stratica	No change
Vinyl	Severe yellowing
Rubber	Severe yellowing
Lino	Shade fading
Carpet	Shade fading

Notes:
Results indicate the effect of 1,500 hours exposure to UV light.

Stratica: Tried and Tested

Stain Resistance

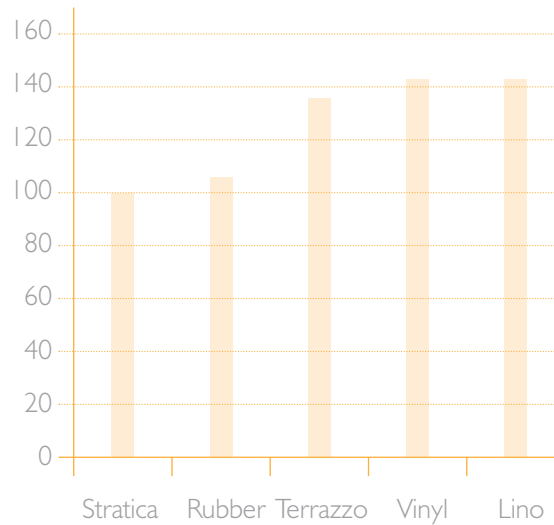
Stratica	0.94
Vinyl	0.71
Rubber	0.71
Lino	0.69
Slate	0.63
Wood	0.55
Marble	0.40

Notes:

Results indicate the resistance to the effect of a range of common staining materials.

A figure of 1.0 indicates complete stain resistance

Comparative Cleaning and Maintenance Costs High Traffic Locations



Notes:

Based on recommended cleaning and maintenance programs.

Source:

Cleaning Research International.

All Stratica products offer excellent slip resistance and are ADA compliant (American Disabilities Act).

New

Fusion Collection



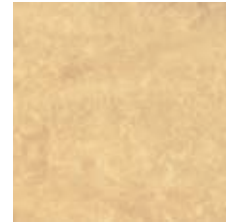
X-FN30 Mallow Fusion



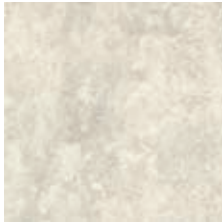
X-FN93 Coast Fusion



X-FN41 Almond Fusion



X-FN46 Dune Fusion



X-FN31 Oyster Fusion



X-FN89 Sage Fusion



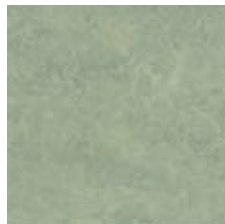
X-FN40 Latte Fusion



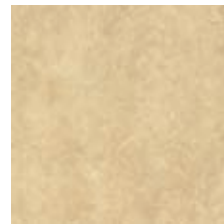
X-FN67 Spice Fusion



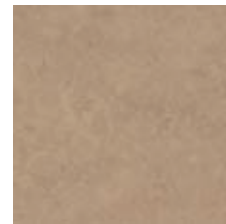
X-FN34 Marl Fusion



X-FN83 Willow Fusion



X-FN47 Malt Fusion



X-FN44 Mocha Fusion

New

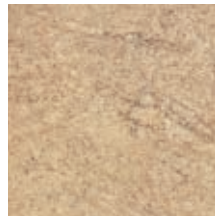
Malabar Collection



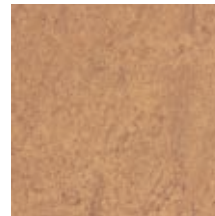
X-MB94 Malabar Blue



X-MB83 Malabar Green



X-MB40 Malabar Beige



X-MB47 Malabar Tan



X-MB44 Malabar Brown

Product Information

All stones, abstracts and fusion products are available as ceramic finish (with the exception of Egyptian Granite Powder Blue *light dimple finish) and in sizes: 13"x13" approx (333mm x 333mm), 13"x19.5" approx (333mm x 500mm) and 19.5"x19.5" approx (500mm x 500mm).

All products are 2.5mm thick with unbevelled edges as standard. Bevelled edges are also available as an option at no extra cost.

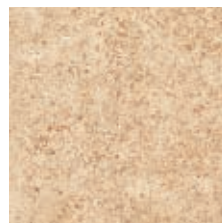
Stones and Abstracts



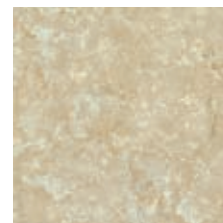
X-GS14 Honed Limestone



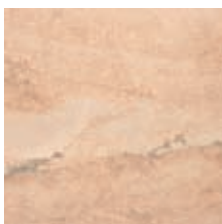
X-LP13 Portuguese Limestone Light



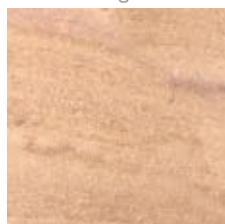
X-LP14 Portuguese Limestone Coffee



X-PM40 Botticino Marble



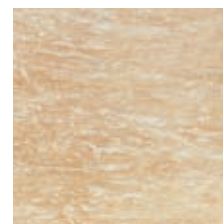
X-TH40 Quartzite Sandstone Light



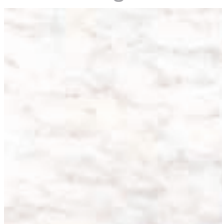
X-TH44 Quartzite Sandstone Dark



X-GA40 Tumbled Limestone Brown



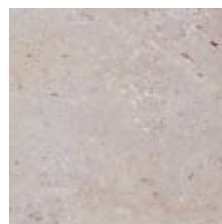
X-JA17 Travertine Light Gold



X-DM19 Bianco Marble



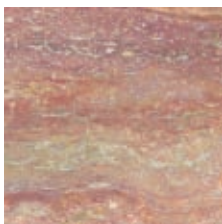
X-LS39 Limestone Chiltern



X-JL34 Tamina Grey



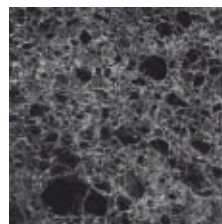
X-EG39 Egyptian Granite Powder Blue*



X-VS57 Travertine Rosso



X-VS99 Travertine Aubergine



X-PM23 Paradiso Charcoal Marble

Custom size

If you cannot find a size to suit your requirements, custom sizes are available on request.

Stripping & Logos

All of the product styles from our woods, stones and abstract ranges can be used for feature stripping (size limitations may apply). With our custom design services we can also create logos to your specifications.

Stripping: Feature Plains

To help you create a truly unique design and to add definition and detail to different spaces, the following products are available as unbevelled stripping.



X-PA117 Vanilla



X-PA447 Buttermilk



X-PA717 Ochre



X-PA535 Red



X-PA334 Ash



X-PA220 Black



X-PA138 Mint



X-PA893 Jade



X-PA898 Green



X-PA139 Lavender



X-PA399 Violet



X-PA959 Blue

Minimum width 1/5" (5mm), maximum 1" (25mm)

Woods



X-W524 Light Maple



X-W551 Classic Maple



X-W565 Satin Elm



X-W554 Pale Oak



X-W525 Steamed Beech



X-W521 Alder



X-W529 Spalted Beech



X-W523 Craftsman Maple



X-W545 Quartered Birch



X-W555 Oak



X-W515 Cherry



X-W513 Teak



X-W514 Red Oak



X-W511 Antique Rosewood



X-W528 Wenge Wood

Product Information

All woods are available as tick finish and in sizes: 4"x39" approx (100mm x 1000mm).

All products are 2.5mm thick with unbevelled edges as standard. Bevelled edges are also available as an option at no extra cost.

Custom size

If you cannot find a size to suit your requirements, custom sizes are available on request.

Stripping & Logos

All of the product styles from our woods, stones and abstract ranges can be used for feature stripping (size limitations may apply). With our custom design services we can also create logos to your specifications.

Installation

GENERAL

The installation of Stratica is straightforward and similar to the installation procedures that apply to all quality resilient floors utilizing a wet-set adhesive. As with all floor coverings, it is advantageous to follow the manufacturers recommended installation procedures. Two critical points for Stratica include using only Universal 2-Part Adhesive or an Amtico recommended two-part epoxy adhesive and not force fitting tiles into place. Two component adhesives have minimal initial grab and may not fully bond the tile to the substrate if the edges or center of the tile is lifting from being installed too tight.

Good site preparation is essential for a trouble-free installation. Stratica can be installed over concrete, wood, stone and other properly prepared subfloors. Site conditions must comply with the relevant industry standards.

Stratica is not suitable for exterior installations or for applications without a stable and consistent environmental condition. The maximum surface temperature should not exceed 81°F (27°C).

Remove shrink-wrap from pallets when receiving flooring. Acclimate the tile, adhesive and subfloor to a stable room temperature between 64° - 75°F (18° - 24°C) for a period of 48 hours before, during and after installation. This will require that pallets are unstacked, and all boxes of tiles opened. Note that tiles must be stored flat.

Following installation, Stratica should be protected from foot traffic for 24 hours, from point or rolling loads for 48 hours and should not be washed for 5 days.

SUBFLOOR PREPARATION

Careful subfloor preparation is vital for an excellent floor appearance and good tile adhesion. The subfloor must be smooth, clean, dry, free from defects and fit for purpose.

CONCRETE SLAB PREPARATION

Concrete must be free of bond breakers or other substances that may stain or prevent adhesion (sealers, curing or parting compounds, paint, grease, oil, wax, etc.). Use a suitable leveling compound (minimum 3000 psi compressive strength) according to label instructions. Ensure that no surface irregularities remain that could telegraph through the finished floor.

Concrete subfloors must be sufficiently dry. Perform either the preferred in-situ Relative Humidity (RH) test (ASTM F2170) or acceptable Calcium Chloride Moisture Vapor Emission Rate (MVER) test (ASTM F1869). Readings greater than 75% internal RH or 3 lbs MVER require a suitable moisture suppressant system. On grade and below grade slabs must have an appropriate vapor retarder (ASTM E1745) that is properly installed (ASTM E1643). Follow each manufacturer's guidance for the proper use and installation of their products.

WOOD SUBFLOOR PREPARATION

Wood subfloors must be covered with minimum 1/4" underlayment grade plywood with sanded face or other underlayment suitable for resilient flooring. Install panels according to the manufacturers' instructions.

EXISTING RESILIENT FLOOR PREPARATION

Existing resilient flooring and adhesive should be mechanically removed. DO NOT USE SOLVENTS.

WARNING ASBESTOS & SILICA - Refer to the current Resilient Floor Covering Institute (RFCI) document: Recommended Work Practices for Removal of Existing Resilient Floor Coverings available at rfci.com.

Terrazzo/Stone Subfloor Preparation

For existing terrazzo or stone floors, degrease surface, repair worn or damaged areas, level and smooth surface.

Recommended Adhesives

Universal 2-Part Adhesive is the recommended adhesive for all Stratica installations. Universal 2-Part meets the requirements for LEED Indoor Environmental Quality Credit 4.1 for Low VOC emitting adhesives as it is virtually solvent free with very low VOC content and emissions. Other Amtico recommended 2-part epoxy adhesives are available for specialized applications.

Use of Adhesives

Follow the instructions on the adhesive packaging. Completely mix contents of upper container into lower container. Spread adhesive evenly using proper trowel size. Do not use worn trowels. Only spread sufficient adhesive that can be covered within adhesive working time. Tiles must be placed immediately into wet adhesive. Promptly remove all skinned over or dried adhesive from the subfloor and replace with new adhesive before continuing the installation.

Installation Procedures

Do not install Stratica until jobsite testing and subfloor preparations are finished and the work of all other trades is complete. Install tiles according to layout as specified by architect, designer or end user. Do not force fit Stratica tiles into place. Tiles that require trimming must be cut to fit into position without bending or forcing the tiles flat. Tiles forced into place may lift and not properly bond to the substrate.

Plan the job to keep off freshly installed tiles. This will minimize tile shifting, adhesive displacement and wet adhesive from oozing up and getting onto the face of the tiles. Roll tiles as soon as possible after installing and before the adhesive sets. Randomly check for 100% adhesive coverage on the back of tiles. Carefully clean all excess adhesive (using denatured alcohol) before it is allowed to dry. Do not use mineral spirits (white spirits, turpentine etc) under any circumstances, as this will cause tile swelling and a tendency to curl (typical for polyolefin flooring materials).

For further information on installation, see www.stratica.com or refer to your Stratica sales person.

Maintenance

STRATICA CLEANING

GENERAL

Floor dressings or finish are unnecessary and should not be used, as most will not adhere to the Eco-Polymeric surface of Stratica. The no-finish properties are a permanent feature of Stratica - unlike some competitors' products that use a coating that may wear off. Stratica has a matte finish, deliberately chosen to enhance the realism and beauty of the floor.

Regular cleaning will help preserve the appearance of Stratica. The frequency will depend on the amount and type of traffic and the degree of soiling.

Before commencing work, put out signs to warn that cleaning is in progress.

ROUTINE CLEANING

Sweep or vacuum the floor daily to remove grit and soiling and use a high-suction vacuum to completely clean all walk-off mats and wells that are present. Spot cleaning can be carried out with a cloth moistened with a diluted neutral cleaner. Spills of water, grease, food, chemicals and other foreign materials may cause slipperiness and should be immediately removed and then washed thoroughly with a diluted neutral cleaner until completely clean. Rinse the area and allow to dry.

No stripping or dressing is ever needed. Stratica maintenance is limited to thorough cleaning using a mop and bucket, a spray cleaner (buffer) or auto scrubber depending on the size of area and traffic. Do not flood the floor.

Medium sized locations: For many users, spray cleaning twice a week is sufficient - resulting in significant cost savings.

Larger, high traffic locations: In these environments, auto scrubbers are the normal method of cleaning. This will produce good results with Stratica.

For all routine maintenance, a neutral cleaner solution should be used.

MOP & BUCKET

Using the two-bucket mopping system, apply solution sparingly using a suitable mop that has been well wrung to remove excess liquid.

Recharge the mop frequently and change the solution as necessary. Allow to dry thoroughly.

SPRAY CLEANING (BUFFING AT APPROX. 450RPM)

Apply a fine spray of diluted neutral cleaner solution onto approximately 20 sq ft (2m²) of floor. Use a 3M Red pad or equivalent and work in parallel overlapping passes until the floor is clean and almost dry. Do not continue the passes after the floor has dried. Continue to work in 20 sq ft areas.

AUTO SCRUBBER

Use a 3M Red nylon pad and neutral cleaner solution.

IMPORTANT FLOOR SAFETY INFORMATION

Stratica has good slip resistant properties when dry but like all hard floors it can become slippery when wet. A slippery floor can cause accidents. Surface contamination, wetness or poor cleaning can cause this. Any water on the floor must be mopped up at once. In wet weather, use additional entrance matting to prevent the trafficking of water. Immediately wipe up all spills following the routine cleaning guidelines. The use of warning signs is recommended and extra care should be taken to ensure the floor is dry before resuming use.

Be careful with the use of airborne insecticide, disinfectant and perfume sprays. Some contain oil or solvents that may settle on the floor in sufficient quantities to cause slipperiness.

Only use a properly diluted neutral floor cleaner. Other maintenance products may leave surface residues that detract from the appearance and may be slippery.

WARRANTY

Stratica is warranted for two years against manufacturing defects, and carries a 10-Year limited warranty against wear out. Full terms and conditions are available on request.

For further information on cleaning, see www.stratica.com or refer to your Stratica sales person.

Technical Data Sheet

Wear Layer

Manufactured from chlorine free Dupont Surlyn®

Underfloor Heating

Suitable

Abrasion Resistance

Taber Test (H22 wheels – 1kg load – 1000 cycles): 0.09g
EN660 (Thickness loss): 0.04mm

Total Thickness

ASTM F1700 (F386): 0.100" - Pass
EN428: 2.5mm

Electrical Resistance

DIN 51 953 > 10¹⁰ ohms

Residual Indentation

ASTM F1700 (F1914): <8% - Pass
EN433: 0.02mm

Weight

28 lbs (per 45 ft²)
EN430: 3.0 kg/m²

Sound Reduction

ISO 717: + 5 dB

Hardness

Shore D test
approx. 55

Electrostatic Propensity

AATCC Method 134 <2 kV
IISO CD6356 <2 kV (astatic)

VOC Emissions

State of California Section 01350: Pass
SP Method 1598
4 weeks: < 10µg/m²/h
26 weeks: < 10µg/m²/h
Flec Test < 10µg/m²/h

Slip Resistance

ASTM D2047: 0.6
(Dry coefficient of friction)
Compliant with the ADA recommendations
DIN 51130: R9

Chemical Resistance

ASTM F1700 (F925): Excellent
EN423: Excellent

Backing Composition

Mineral filled ethylene copolymer

Thermal Resistance

DIN 52 612: 0.017 m²K/W

Castor Chair Test

EN425: Pass

Wear Layer Thickness

EN429: 0.65mm (0.026")

Light Stability

ASTM F1700 (F1515): Pass
ISO 105 BO2: Pass

Dimensional Stability

ASTM F1700 (Fed Std 501a): Pass
24 hours at 60°C < 0.1%

Mould Growth

BS 5980: Pass

Water Absorption

CP BM2/67-2: Pass

Flexibility

ASTM F1700 (F136): Pass
EN435: Pass

Flammability

ASTM E648: Class I
DIN 4102: B1
NT Fire 007: Class G
ONORM B3800/3810: Q1/B1
Epiradiateur NF P1 92-501: M3
EN 13501-1: Class C^{fl}-S1

Smoke Density and Toxicity

ASTM E662 < 450
MO Resolution MSC 61 (67) Annex I Part 2: Pass



Contact Details

Amtico International operates around the world from its service centers in the USA, Europe and Australia. A flexible manufacturing and service network delivers reliability and consistency in a world where deadlines are constantly reducing.

Amtico International

USA and Canada

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Atlanta GA 30328
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Fax: 404 267 1901

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Canada:

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Fax: 404 267 1901

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Studio Amtico London:

The Business Design Centre
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Tel: +44 (0) 8703 50 40 80

International Enquiries:

For overseas customers please contact your nearest Amtico sales office for availability as some products will need to be imported.

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Disclaimer

While every effort is made to achieve accurate color reproduction of products in this brochure, printing limitations can be misleading. Selection of colors should be made from actual samples. Samples are small pieces cut from standard tiles. They give only a general indication of color and do not necessarily show the complete design. Color and shading can vary slightly from batch to batch, and it is not possible to guarantee that the color of the sample will exactly match the material supplied.

The policy of the company is one of continuous development and improvement and the right is reserved to add or delete from the range or to change patterns without prior notification.

This brochure is printed on chlorine free paper (recycled TBC)

Samples Service

samples@stratica.com

Stratica Online

www.stratica.com

To keep up-to-date with the very latest about Stratica, visit our website. Simply go to www.stratica.com to find everything from details of our newest product launches and design ideas, to advice on installation, cleaning and maintenance.

