

Series: Opulence Porcelain Tile



Onice Cream



Travertino White

Stocked

12" x 24" Tiles



APG-PY05 Calacatta Gold



APG-PY15 Imperiale Grey

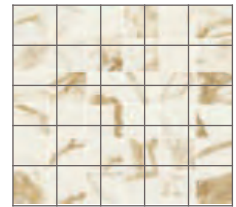


APG-PY25 Onice Cream

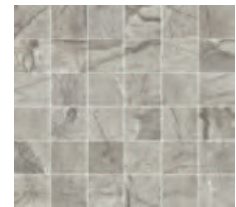


APG-PY35 Travertino White

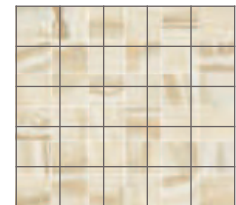
12" x 12" Mosaics



APGZPY05A
Calacatta Gold



APGZPY15A
Imperiale Grey



APGZPY25A
Onice Cream



APGZPY35A
Travertino White

3.75" x 24" Bullnose



APGRPY05 Calacatta Gold
APGRPY15 Imperiale Grey
APGRPY25 Onice Cream
APGRPY35 Travertino White

Series: Opulence Porcelain Tile

PROTECT

ANTIMICROBIAL SURFACE
with MICROBAN®

COLOURED-BODY GLAZED STONEWARE

TECHNICAL FEATURES

COLOURED-BODY GLAZED STONEWARE according to ANSI A137.1 (Glazed Porcelain Tiles - P1 Class)

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
 WATER ABSORPTION	ASTM C373	≤ 0,5%	CONFORMS
 BREAKING STRENGTH	ASTM C648	≥ 250 lbf	350 lbf 9 mm
 SURFACE ABRASION RESISTANCE	ASTM C1027	As indicated by manufacturer	PEI 3
 LINEAR THERMAL EXPANSION	ASTM C372	No provision	$\alpha \leq 4,4 \times 10^{-6} \text{ }^{\circ}\text{F}^{-1}$ $\alpha \leq 8 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$
 STAIN RESISTANCE	ASTM C1378	As indicated by manufacturer	A RESISTANT C (LUX)
 CHEMICAL RESISTANCE^(*)	ASTM C650	As indicated by manufacturer	A RESISTANT
 FROST RESISTANCE	ASTM C1026	As indicated by manufacturer	RESISTANT
 BOND STRENGTH	ASTM C482	≥ 50 PSI	CONFORMS
 SLIP RESISTANCE	DIN EN 16165 - Annex B	-	R11 Anti-Slip***
	DIN EN 16165 - Annex A	-	C (A+B+C) Anti-Slip***
	ANSI A326.3	-	ID - DCOF ≥ 0.42 (dry) Soft - Lux IW - DCOF ≥ 0.42 (wet) Soft IW+ Anti-Slip*** EW Anti-Slip***
			V3 Moderate variation Onice Cream - Imperiale Grey V4 Substantial variation Calacatta Gold - Travertino White
 SHADE VARIATION	ANSI A137.1	As indicated by manufacturer	
 FLAME SPREAD	ASTM E84	-	Class A
 THERMAL CONDUCTIVITY	EN 12524	-	$\lambda = 1,3 \text{ W/m }^{\circ}\text{K} / 0,7 \text{ BTU/ft h }^{\circ}\text{F}$
 RECOMMENDED MINIMUM JOINT^(**)	RECT (INDOOR)	-	1/8" - 3,2 mm approx.
	OUTDOOR	-	3/16" - 4,7 mm approx.
 THICKNESS	SIZES 12"x24" Rect - 30x60 cm	-	9 mm

(*) Excluding hydrofluoric acid and its derivatives.

(**) Grout Joint Recommendations: Per TCNA Handbook, the minimum required joint width for ceramic tile and natural stone is 1/16". Setting ceramic or stone without a grout joint of a least 1/16", often referred to as a butt joint, does not provide sufficient accommodation for dynamic building movement, differential thermal expansion, or allowable variation in fabrication or manufacturing.

PACKINGS AND WEIGHTS

SIZES	SF / CTN	LINEAR FT / CTN	PIECES / CTN	CTN / PALLET	SF / PALLET	LBS / CTN	LBS / PALLET
12"x24" Rect Soft - Anti-Slip	15,61	-	8	32	499,32	57,5	1.840
MOSAIC 36 PCS 12"x12" Rect Soft	4,844	-	5	78	377,832	20,657	1.611,246
BULLNOSE 3"x12"x24" Rect Soft	9,816	31,5	16	60	588,96	39,462	2.367,72

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INTENDED USE

KEY



RESIDENTIAL

Kitchens, bathrooms, living rooms and other residential environments.



LIGHT COMMERCIAL

Offices, offices open to the general public, waiting rooms, shops, public bathrooms, common apartment block areas, restaurant dining rooms, car showrooms, bars, cinemas, surgeries/clinics, hotel rooms and bathrooms. In areas subjected to forced traffic, or areas where chairs with hard plastic wheels are used, it is not advisable.



INTENSIVE COMMERCIAL

Common areas of shopping centres; hotel foyers, canteens, fast food restaurants, dance clubs, hospitals, schools, museums, places of worship, airports, stations.



OUTDOOR

Mainly for external areas that require flooring with anti-slip characteristics.

The finishes are recommended, as well as for wall cladding, also for flooring in residential or light commercial areas that are not subjected to heavy traffic, where anti-slip characteristics are not required. The occasional presence of small inconsistencies or little spots on the surface is to be considered a characteristic of the material and of its unique production process. If the product is laid in direct contact with external environments, it is recommended to use protective solutions to reduce the formation of scratches. It is the installer's responsibility to protect the finished and clean tiling before the delivery to the client, by using appropriate protective materials (e.g. chipboard, cardboard sheets, etc.).

CERTIFICATIONS



The Factory is a member of the U.S. Green Building Council: this is an organisation that promotes buildings that are environmentally responsible, profitable and healthy places to live and work. LEED and SUITE series is available on request.



series is made in a production plant GOLD GREENGUARD certified.



This Environmental Product Declaration is provided by Tile Council of North America (TCNA).

Product designed in Italy and made in USA



OPULENCE AND THE ENVIROMENT



100% REUSE OF UNFIRED TILES

Crude waste generated by the process is reintegrated in the production cycle with no costs for the environment. This contributes to the safeguard of natural resources.



100% REUSE/RECYCLING OF THE INDUSTRIAL WASTE - FIRED TILES

The waste-fired tiles are fully reused in the production cycle. In addition, at the end of life, the tiles can be recycled as materials for substrates for roads and buildings, thus reducing the use of gravel and natural aggregates commonly used in building.



100% WATER RECYCLING

The water used in the production process is recycled. The water demand is strongly reduced by this mean.



PACKING MATERIAL IS 100% RECYCLABLE

Carton boxes, plastic packaging materials, wooden pallets, straps, etc.



100% OF NON CERAMIC WASTE

Is differentiated and recycled in other production cycles.



SAFETY REQUIREMENTS: NO FIRE REACTION

The ceramic tile products are Class A building materials as described in ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials. This is due to the flame spread rating of (0) and smoke developed rating of (0) falling within the ranges of a Class A material. Other building codes refer to this as a Type I material in accordance with NFPA 256.



METHANE CONSUMPTION IS HIGHLY REDUCED

By the use of up to date technologies and customized installations.



LOW EMISSIONS IN THE ATMOSPHERE

The production plant strictly complies to US Standards with a very small amount of gas emissions in the atmosphere.