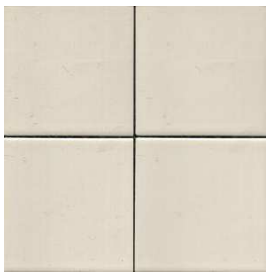
Palatino Mosaics






- **Colours** White, Ivory, Charcoal, Latte & Cappuccino
- **Product Type** Glazed Porcelain
- **Sizes** 23x48, 48x48, 98x98mm matt (Class 2) & gloss (Class 1)

NEW

- Now also available in 23x23mm matt & gloss (Class 1)
- **Colours** White, Black, Charcoal & Cappuccino

Floor cat. 1	Floor cat. 2	Glazed Porcelain	Suitable for use in swimming pools

GNS CERAMICS
EXCLUSIVELY WHOLESALE



General

In general GNS Ceramics' mosaics are suitable for use in swimming pools. They are not suitable for use in areas that are affected by abrasion, excessive vibration and movement, impact, thermal and mechanical shock. We do not recommend tiling on a fibreglass substrate.

Our ranges include the 23x23, 23x48, 48x48, 98x98mm Palatino Series:

PAN003 1SM Palatino Gloss White 23x23mm
PAN009 1SM Palatino Gloss Black 23x23mm
PAN041 1SM Palatino Gloss Metal 23x23mm
PAN067 1SM Palatino Gloss Clay 23x23mm

PAR003 1RM Palatino Gloss White 23x48mm
PAR006 1RM Palatino Gloss Ivory 23x48mm
PAR041 1RM Palatino Gloss Metal (Charcoal) 23x48mm
PAR061 1RM Palatino Gloss Muddy (Latte) 23x48mm
PAR067 1RM Palatino Gloss Clay (Cappuccino) 23x48mm

PAL003 2SM Palatino Gloss White 48x48mm
PAL006 2SM Palatino Gloss Ivory 48x48mm
PAL041 2SM Palatino Gloss Metal (Charcoal) 48x48mm
PAL061 2SM Palatino Gloss Muddy (Latte) 48x48mm
PAL067 2SM Palatino Gloss Clay (Cappuccino) 48x48mm

PAT003 4SM Palatino Gloss White 98.2x98.2mm
PAT006 4SM Palatino Gloss Ivory 98.2x98.2mm
PAT041 4SM Palatino Gloss Metal (Charcoal) 98.2x98.2mm
PAT061 4SM Palatino Gloss Muddy (Latte) 98.2x98.2mm
PAT067 4SM Palatino Gloss Clay (Cappuccino) 98.2x98.2mm

PAN503 1SM Palatino Matt White 23x23mm
PAN509 1SM Palatino Matt Black 23x23mm
PAN541 1SM Palatino Matt Metal 23x23mm
PAN567 1SM Palatino Matt Clay 23x23mm

PAR503 1RM Palatino Matt White 23x48mm
PAR506 1RM Palatino Matt Ivory 23x48mm
PAR541 1RM Palatino Matt Metal (Charcoal) 23x48mm
PAR561 1RM Palatino Matt Muddy (Latte) 23x48mm
PAR567 1RM Palatino Matt Clay (Cappuccino) 23x48mm

PAL503 2SM Palatino Matt White 48x48mm
PAL506 2SM Palatino Matt Ivory 48x48mm
PAL541 2SM Palatino Matt Metal (Charcoal) 48x48mm
PAL561 2SM Palatino Matt Muddy (Latte) 48x48mm
PAL567 2SM Palatino Matt Clay (Cappuccino) 48x48mm

PAT503 4SM Palatino Matt White 98.2x98.2mm
PAT506 4SM Palatino Matt Ivory 98.2x98.2mm
PAT541 4SM Palatino Matt Metal (Charcoal) 98.2x98.2mm
PAT561 4SM Palatino Matt Muddy (Latte) 98.2x98.2mm
PAT567 4SM Palatino Matt Clay (Cappuccino) 98.2x98.2mm

Installation

It should be noted that tiles are only one component of a much larger building system. It is our experience that failure of any tiling system is very often the result of a combination of factors. For example; inappropriate design, type of substrate, surface preparation, temperature during installation, adhesives, incompatibility of products, product failure, environmental factors skill and knowledge of the installers etc; the latter being supplied or controlled by a variety of manufacturers and tradesmen. GNS Ceramics has no involvement in the design, selling and installation processes and once goods have been dispatched from our warehouse we have no control over where and how these products are used. As a result the project manager, and or the tiler are the only people in a position to ensure that all the components used in a project are compatible and that the product is installed in accordance with the Australian Building Code and the Australian Standards.

We recommend:

1. all work is carried out by licensed contractors experienced in the laying of mosaic tiles. Installation shall be in accordance with the Australian Building Code and AS3958 part 1 and 2 "Guide to the installation of ceramic tiles" and "Guide to the selection of a ceramic tiling system" respectively.
2. our mosaic tiles be fixed utilizing
    a. The floating method of installation
    b. either a combined epoxy grout and adhesive , or
    c. a thick bed combined latex fortified cementitious grout and adhesive.
3. the grout and adhesives used be chemically resistant and suitable for use externally in full immersion with none or low porous materials.
4. all mosaics are stored in a clean dry space. Do not allow the tiles to get wet or damp prior to installation.

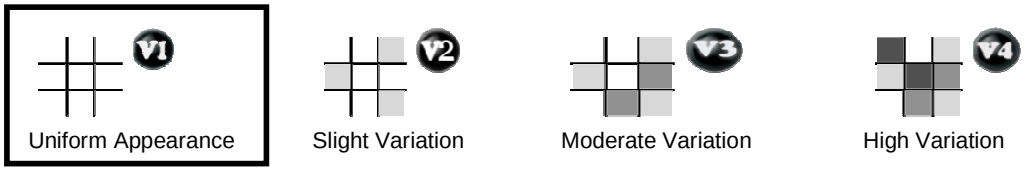
Note: Glass mosaics are translucent. We therefore recommend that grout and adhesives are of the same colour. The use of contrasting or different colours may result in the consumer's expectations not being met. We also recommend that adhesives be applied with a view to removing voids as these may be visible through the glass.

Cleaning and Maintenance

- Do not use abrasive cleaners and chemicals, which could permanently scratch and damage the surface of the tile. For daily cleaning, we recommend the use of a mild detergent. Should a more vigorous cleaning programme be required we recommend the use of a proprietary tile cleaner from a specialty tile supplier.

GNS Ceramics is satisfied that the above ranges of mosaic tiles are first quality and meets the requirements of the Australian Standards. In addition, we are also satisfied that these tiles meet the statutory conditions and statutory warranties required by the Australian consumer law and Competition and Consumer Act 2010.

Colour & Pattern Variation Guide



Uniform Appearance | Slight Variation | Moderate Variation | High Variation

Classes of Use

The classification has taken into account the recommendations of the Australian Standards; however, they are given for general guidance only. They are valid for the given application under **NORMAL CONDITIONS** and should not be taken to provide accurate product specifications for specific requirements.
WARNING: Other standards and building code requirements may affect your selection of tiles.
Consideration should be given to the footwear, type of pedestrian traffic and cleaning methods expected. Floors should be adequately protected against soiling from following trades during installation; they should also be protected against scratching dirt at the entrances to building by interposing footwear cleaning devices. For example, mats, shoe scrapers, static devices, etc.

CLASS 1 - Floor coverings in areas that are walked on with soft soled footwear or bare feet without scratching dirt; For example, residential en-suite bathrooms without direct access from the outside.

CLASS 2 - Floor coverings in areas that are walked on with soft-soled or normal footwear with, at the most, occasional small amounts of scratching dirt; For example, main bathrooms, bedrooms with the exception of those areas that experience heavy pedestrian traffic, i.e. work boots, stilettos, and outdoor shoes.

TECHNICAL SPECIFICATIONS :

Characteristics	Standards	TCC Specifications		
		GLAZED	UNGLAZED	METALLIC GLAZED
Product classification	ISO 13006 / EN 14411	Group BIa	Group BIa	Group BIa
Water absorption	ISO 10545-3	$E \leq 0.5$ %	$E \leq 0.5$ %	$E \leq 0.5$ %
Modulus of rupture	ISO 10545-4	$\geq$ 35 N/mm^2	$\geq$ 35 N/mm^2	$\geq$ 35 N/mm^2
Breaking strength, Thickness $\geq$ 7.5 mm.	ISO 10545-4	$\geq$ 1300 N	$\geq$ 1300 N	$\geq$ 1300 N
Breaking strength, Thickness < 7.5 mm.	ISO 10545-4	$\geq$ 700 N	$\geq$ 700 N	$\geq$ 700 N
Chemical resistance, low concentrate acids and alkalis	ISO 10545-13	Minimum class GLB	Minimum class ULB	Minimum class GLC
Chemical resistance, household and swimming pool salts		Minimum class GB	Minimum class UB	Minimum class GC
Staining resistance	ISO 10545-14	Minimum class 3	-	Minimum class 3
Dimension and surface quality	ISO 10545-2			
Length and Width		± 0.6%	± 0.6%	± 0.6%
Thickness		± 5.0%	± 5.0%	± 5.0%
Straightness of sides		± 0.5%	± 0.5%	± 0.5%
Rectangularity		± 0.6%	± 0.6%	± 0.6%
Centre curvature		± 0.5%	± 0.5%	± 0.5%
Edge curvature		± 0.5%	± 0.5%	± 0.5%
Warpage		± 0.5%	± 0.5%	± 0.5%
Abrasion resistance of surface (glazed tile)	ISO 10545-7	Minimum class 2	-	Minimum class 2
Abrasion resistance of deep (unglazed tile)	ISO 10545-6	-	Maximum 175 mm^3	-
Crazing resistance	ISO 10545-11	Resisted	-	Resisted
Frost resistance	ISO 10545-12	Required	Required	Required