

GNS CERAMICS
EXCLUSIVELY WHOLESALE

## Marfil

The latest colours and designs from the Australian design hub NCIA. The Marfil series is a new twist on a stone reproduction, the subtle movement though the tile delivers an exceptional feature wherever it is used.

GNS CERAMICS
EXCLUSIVELY WHOLESALE

# Marfil

White



Grey



Greige



Charcoal



600x600mm
Matt
External

450x450mm
Matt
External
Lappato

300x600mm
Matt

300x300mm
Matt (P3)

Glazed Porcelain

AUSTRALIAN MADE

Cushioned Edge

V2 Variation

Floor Cat. 4

P3
300x300

P5
External

GNS Ceramics recommends that our retail shops pass on the following information to the installer and end-user.

Click or Scan for Installation Instructions

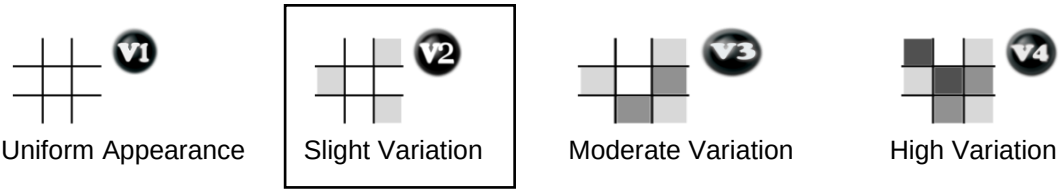
Ceramic tiles are only one component of a much larger building system. It is our experience that failure of any tiling system is very often the result of a combination of factors. For example; inappropriate design, type of substrate, surface preparation, temperature during installation, adhesives, incompatibility 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.

Installation Instructions for all types of tiles can be found in the GNS Ceramics Price List, and on our website. We suggest these are followed at all times.

**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 PH Neutral detergent. Should a more vigorous cleaning programme be required we recommend the use of a proprietary tile cleaner from a specialty tile supplier.

**Colour & Pattern Variation Guide**




Uniform Appearance | Slight Variation | Moderate Variation | High Variation

**Slip Resistance**

The best way to minimise the risk of slipping is through safe design principals. This involves a risk management approach which evaluates the likelihood and consequence of an incident to occur. Slip resistive flooring is only one of the design components to consider, other design features should also be considered, including awnings, airlocks, matting and a suitable cleaning regime to reduce the extent of contaminates. Visual aids, warning signs, handrails and lighting, along with the footwear to be worn, should also be considered.

All ceramic tiles can be slippery, particularly when wet. This includes tiles, commonly used in wet areas such as bathrooms. It is important that customers be aware of the potential danger of wet ceramic tiles and seek advice from the retailer as to the level of slip-resistance of any particular tile, and its suitability for the intended application. If there is any doubt, tiles should be tested for slip-resistance immediately after being laid, under the conditions that they will be subject to during use. While tiles may achieve an acceptable standard in a laboratory test, it is quite probable that the performance in-situ will be less than expected, due to installation methods, wear & tear, cleaning regimes and unforeseen circumstances. Test results should therefore to be seen as a relative guide to estimate the merits of one tile versus another and should be used in conjunction with the Australian Building Code and the relevant Australian Standards. Further information on slip resistance is provided in the Australian Standards HB198:2014 - An Introductory guide to the slip resistance of pedestrian surface materials.

There are many factors beyond the control of the supplier that can affect the level of slip-resistance of tiles, or contribute to the incidents of injury through slipping. Consequently, the laboratory test results presented here must not be viewed to mean that GNS Ceramics Pty Ltd, is providing any warranty, nor will accept any liability for personal injury or accidents arising from the selection or installation of tiles under any circumstances.

**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 4** - Floor coverings that are walked on by regular traffic with some scratching dirt so that conditions are more severe than CLASS 3; For example, entrances, laundries with external access, living areas, entertainment areas, patio's, sales rooms, motels.

# MARFIL



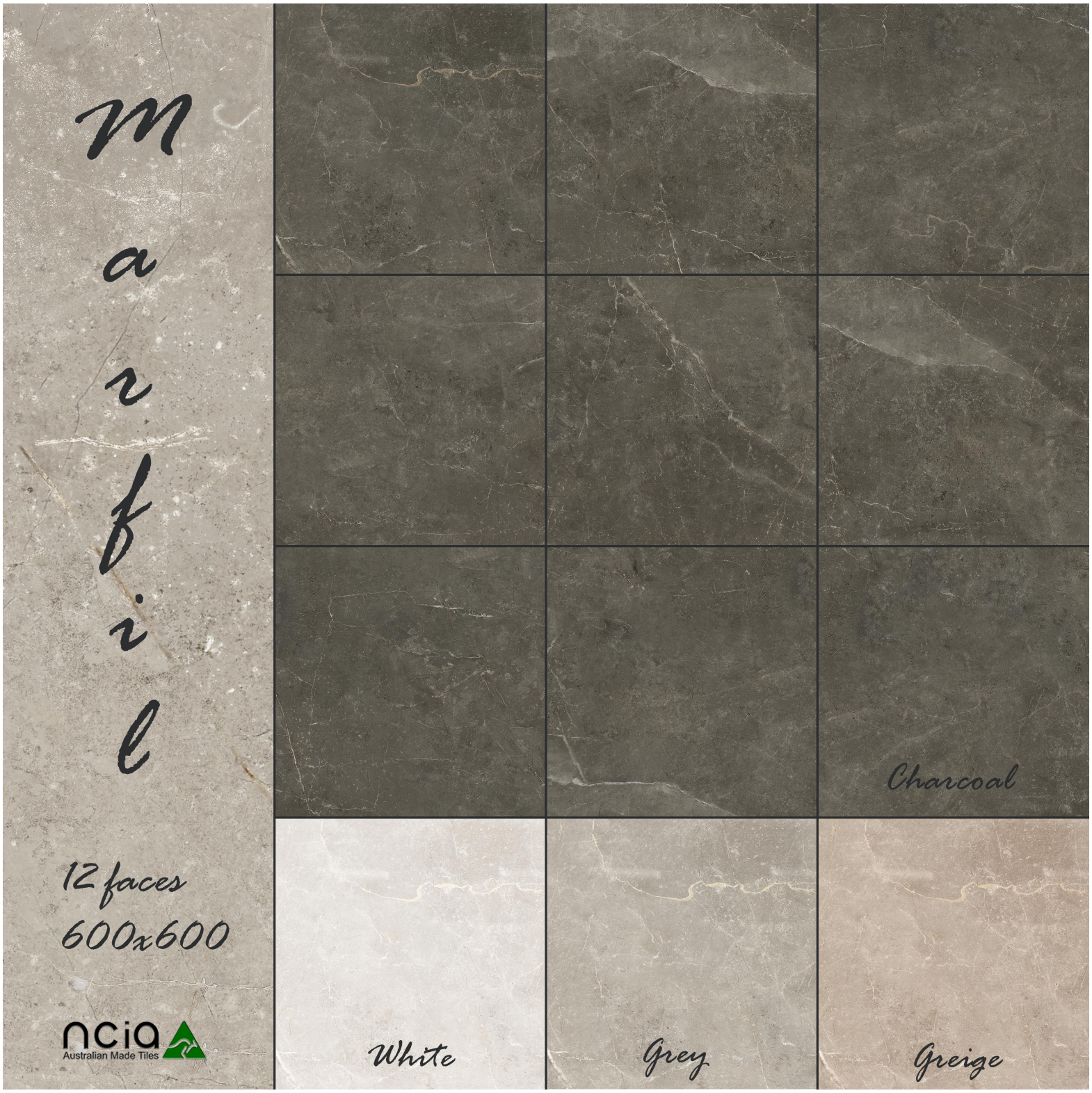
P3
300X300

P2/ P5/Lappato
450x450

P2
300X600

P2/P5
600X600




marfil
12 faces
600x600
ncia
Australian Made Tiles
Charcoal
White
Grey
Greige

Australian Made Tiles

175 Racecourse Rd, Rutherford NSW 2320
PO Box 765 Maitland NSW 2320
Australia
Tel: 02 4931 8400 Fax: 02 4931 8499
www.ncia.com.au
ABN 83 100 467 267

## NCIA Specification Sheet

**Marfil Range**

| NCIA Product Code | Description | Nominal Size (mm) | Nominal Thickness (mm) | Pendulum (slip) Rating | PEI Rating |
|---|---|---|---|---|---|
| ZMF61522A | Marfil White 300*300 | 300*300 | 6.3mm | P3 | 4 |
| ZMF62522A | Marfil Grey 300*300 | 300*300 | 6.3mm | P3 | 4 |
| ZMF64622A | Marfil Greige 300*300 | 300*300 | 6.3mm | P3 | 4 |
| ZMF68522A | Marfil Charcoal 300*300 | 300*300 | 6.3mm | P3 | 4 |
| ZMF1045A | Marfil White 450*450 | 450*450 | 7.5mm | P2 | 4 |
| ZMF2045A | Marfil Grey 450*450 | 450*450 | 7.5mm | P2 | 4 |
| ZMF4145A | Marfil Greige 450*450 | 450*450 | 7.5mm | P2 | 4 |
| ZMF8045A | Marfil Charcoal 450*450 | 450*450 | 7.5mm | P2 | 4 |
| ZMF1545A | Marfil White 450*450 P5 External | 450*450 | 7.5mm | P5 | 4 |
| ZMF2545A | Marfil Grey 450*450 P5 External | 450*450 | 7.5mm | P5 | 4 |
| ZMF4645A | Marfil Greige 450*450 P5 External | 450*450 | 7.5mm | P5 | 4 |
| ZMF8545A | Marfil Charcoal 450*450 P5 External | 450*450 | 7.5mm | P5 | 4 |
| ZMF21045A | Marfil White 450*450 Lappato | 450*450 | 7.5mm | P1 | 3 |
| ZMF22045A | Marfil Grey 450*450 Lappato | 450*450 | 7.5mm | P1 | 3 |
| ZMF24145A | Marfil Greige 450*450 Lappato | 450*450 | 7.5mm | P1 | 3 |
| ZMF28045A | Marfil Charcoal 450*450 Lappato | 450*450 | 7.5mm | P1 | 3 |
| ZMF1055A | Marfil White 300*600 | 300*600 | 8.5mm | P2 | 4 |
| ZMF2055A | Marfil Grey 300*600 | 300*600 | 8.5mm | P2 | 4 |
| ZMF4155A | Marfil Greige 300*600 | 300*600 | 8.5mm | P2 | 4 |
| ZMF8055A | Marfil Charcoal 300*600 | 300*600 | 8.5mm | P2 | 4 |
| ZMF1060A | Marfil White 600*600 | 600*600 | 9mm | P2 | 4 |
| ZMF2060A | Marfil Grey 600*600 | 600*600 | 9mm | P2 | 4 |
| ZMF4160A | Marfil Greige 600*600 | 600*600 | 9mm | P2 | 4 |
| ZMF8060A | Marfil Charcoal 600*600 | 600*600 | 9mm | P2 | 4 |
| ZMF1560A | Marfil White 600*600 P5 External | 600*600 | 9mm | P5 | 4 |
| ZMF2560A | Marfil Grey 600*600 P5 External | 600*600 | 9mm | P5 | 4 |
| ZMF4660A | Marfil Greige 600*600 P5 External | 600*600 | 9mm | P5 | 4 |
| ZMF8560A | Marfil Charcoal 600*600 P5 External | 600*600 | 9mm | P5 | 4 |
| | | | | | |

**Product Specific Information**

| | |
|---|---|
| Screen Size | 1980*1980mm |
| Variation Rating | V2 – Slight Variation (similar colour tones) |
| Print Mode: 300*300 | Random Print within 12 600*600 faces |
| Print Mode: 450*450 | Random Print within 12 600*600 faces |
| Print Mode: 300*600 | 24 Unique Faces |
| Print Mode: 600*600 | 12 Unique Faces |

Australian Made Tiles

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PO Box 765 Maitland NSW 2320
Australia
Tel: 02 4931 8400 Fax: 02 4931 8499
www.ncia.com.au
ABN 83 100 467 267

## NCIA Specification Sheet

NCIA products conform to Group B1b. NCIA tiles meet and exceed requirements under AU ISO 13006-2020.

NCIA tiles are classified as a low water absorption vitrified tile under Australian Standards.

| Category | NCIA Standards | International/Australian Standards |
|---|---|---|
| Length and Width | +- 0.5mm(difference from work size) | +-2.0mm (difference from work size) |
| Thickness | +- 0.5mm(difference from work size) | +- 0.5mm(difference from work size) |
| Centre Curvature | +- 0.5mm | +-2.0mm |
| Straightness of Edge | +- 0.5mm | +-1.5mm |
| Edge Curvature | +- 0.5mm | +-2.0mm |
| Rectangularity | +- 0.5mm | +-2.0mm |
| Resistance to Surface Abrasion | Minimum PEI 3 | |
| Stain Resistance | Minimum Class 4 | Minimum Class 3 |
| Resistance to Chemicals | Class A | |
| Water Absorption | Less than 3% | |
| Resistance to Crazing | No Crazing | |
| Resistance to Frost | Resistant | |
| Resistance to Fire | Non-Flammable | |
| Gaseous Emissions when Exposed to Fire | No Emission | |
| VOC Emissions | No Emission | |
| Fading in UV/Sunlight | Color Permanence | |
| Moisture Expansion | Less than 0.01% | Less than 0.06% |
| Modulus of Rupture (N/mm2) | Minimum 30N/mm$^2$ | Minimum 30N/mm$^2$ |
| Surface Quality | Minimum 98% Defect Free | Minimum 95% Defect Free |

| Work Size | Nominal Thickness |
|---|---|
| 300*300 | 6.3mm |
| 450*450 | 7.5mm |
| 500*500 | 8mm |
| 300*600 | 8.5mm |
| 600*600 | 9mm |

| Work Size | M2 per pallet | Boxes per pallet | M2 per box | Pieces per box | Pallet weight kgs |
|---|---|---|---|---|---|
| 300*300 | 95.04 | 48 | 1.98 | 22 | 1335 |
| 450*450 | 113.6 | 80 | 1.42 | 7 | 1800 |
| 500*500 | 72 | 48 | 1.50 | 6 | 1224 |
| 300*600 | 69.12 | 48 | 1.44 | 8 | 1248 |
| 600*600 | 69.12 | 48 | 1.44 | 4 | 1290 |

| Chemical Composition (Average) | % |
|---|---|
| $Na_2O$ | 2.76 |
| $K_2O$ | 3.95 |
| MgO | 0.69 |
| CaO | 0.58 |
| $Mn_3O_4$ | 0.08 |
| $Al_2O_3$ | 18.30 |
| $Fe_2O_3$ | 1.40 |
| $SiO_2$ | 70.00 |
| - (Crystalline Silica) | - (15-25%) |
| $TiO_2$ | 0.66 |
| $P_2O_5$ | 0.06 |
| $SO_3$ | <0.01 |
| LOI | <1.70 |

| Product Warranty | Term |
|---|---|
| Domestic Use | 10 years |
| Commercial Use | 7 years |

| Other | Reference |
|---|---|
| Operating in NSW under Environment Protection License | 11956 |
| MSDS | www.ncia.com.au |
| Cleaning/maintenance recommendation | www.ncia.com.au |
| Contact | sales@ncia.com.au |
| Raw materials | Sourced from NSW & Victoria |
| Employment | 60 staff |
| Current Production Capacity | 7million m2 per annum |
| Australian Made License | 8934 |
| Member of the Australian Tile Council | |
| NATA accreditation | 20807 |