GNS CERAMICS
EXCLUSIVELY WHOLESALE





## Saturn

Driven by a passion for an organic look, the Saturn series fuses the beauty of natural stone with the functionality of a porcelain tile. With four fresh colours and the innovative internal/external finish the Saturn series can meld inside and out.




# Saturn


Silver


Greige


Grey


Charcoal

600x600mm
Matt

300x600mm
Matt

Glazed Porcelain

V3 Variation

Rectified Edge

Floor Cat. 4

P5

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

Click or Scan for Installation Instructions

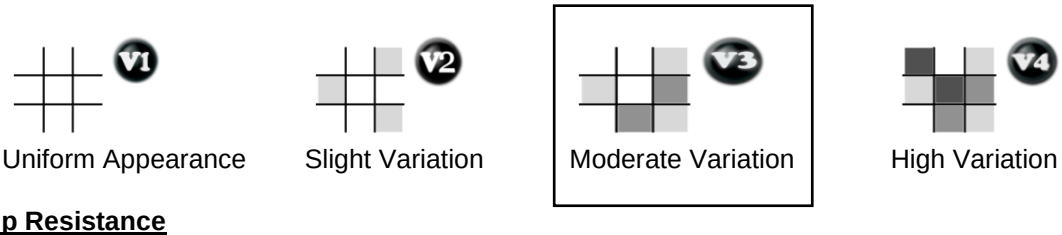
Ceramic tiles are only one component of a much larger building system. It is our experience that failure of any tiling system is very often the result of a combination of factors. For example; inappropriate design, type of substrate, surface preparation, temperature during installation, adhesives, incompatibility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




**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.

# 国家陶瓷与耐火材料产品质量监督检验中心

National ceramics and refractory products quality supervision and inspection center

**质检报告（续页）**

**Test Report（Continue to page）**

| 序号 | 检测项目 | 单位 | 技术要求 | | 检验结果 | 单项规定 |
|---|---|---|---|---|---|---|
| The serial number | The test items | Unit | The technical requirements | | The inspection results | Single regulation |
| 1 | 尺寸及偏差<br>Size and deviation | % | 边长偏差<br>Side length deviation | ±0.6% | -0.03～+0.02 | 合格<br>PASS |
| | | mm | | Maximum ±2.0mm | -0.2 ～ +0.1 | |
| | | mm | 厚度偏差<br>Thickness deviation | ±0.6% | 0～+2.1 | |
| | | | | Maximum ±0.5mm | 0～+0.1 | |
| 2 | 边直度<br>Straight edge degrees | % | ±0.5 | | -0.05～+0.02 | 合格 |
| | | mm | Maximum ±1.5 | | -0.28～ +0.09 | Pass |
| 3 | 直角度<br>Straight Angle degrees | % | ±0.5 | | -0.03 ～ +0.02 | 合格 |
| | | mm | Maximum ±2.0 | | -0.16 ～ +0.12 | Pass |
| 4 | 表面平整度<br>Surface Flatness | % | 边弯曲度<br>Edge bending | ±0.5 | -0.04 ～ +0.04 | 合格 |
| | | mm | | Maximum ±2.0 | -0.22 ～ +0.22 | Pass |
| | | % | 翘曲度<br>Warp degree | ±0.5 | -0.03 ～ +0.03 | 合格 |
| | | mm | | Maximum ±2.0 | -0.29 ～ +0.27 | Pass |
| | | % | 中心弯曲度<br>Center of curvature | ±0.5 | -0.04 ～ +0.03 | 合格 |
| | | mm | | Maximum ±2.0 | -0.32 ～ +0.29 | Pass |
| 5 | 表面质量<br>The surface quality | | 至少95%的砖其主要区域无明显缺陷<br>At least 95% of its main area no visible flaws | | | 合格<br>Pass |
| 6 | 吸水率B（%）<br>Water absorption (%) | / | 平均值≤0.5，单个值≤0.6<br>The average ≤0.5, A single maximun ≤ 0.6 | | Average：0.17,<br>Single 0.12～0.20； | 合格<br>Pass |
| 7 | 破坏强度<br>Breaking strength | N | 当厚度≥7.5㎜时， 平均值≥1300<br>The thickness≥7.5mm, the average≥1300 | | Average：1316 | 合格<br>Pass |
| 8 | 断裂模数<br>Rupture modulus | Mpa | 平均值≥35；单个最小值≥32<br>Average 35 or more; A minimum of single≥32 | | Average：35;<br>Single 34～35 | 合格<br>Pass |
| 9 | 有釉砖抗釉裂性<br>Glaze cracking resistance | / | 经试验应无断裂<br>The test shall be no crack | | 符合<br>conform | 合格<br>Pass |
| 10 | 耐污染性<br>Resistance to dirty | / | 最低3级<br>The lowest level 3 | | Level 5 | 合格<br>Pass |
| 11 | 抗化学腐蚀性；耐游泳池盐类+耐家庭化学试验<br>Resistance to chemical corrosion resistance; Swimming pool salt resistant and Household chemical resistance test | / | 不低于GB级<br>Level is not lower than GB | | GA级<br>The GA level | 合格<br>Pass |
| 12 | 摩擦系数<br>Coefficient of friction | / | 单个值≥0.50<br>A single≥0.50 | | 干法 0.59<br>Dry 0.60 | 合格<br>Pass |
| 13 | 放射性（内照射指数）<br>Radioactive (internal exposure index) | / | A类装饰装修材料：IRa≤1.0<br>Grade A building materials : IRa≤1.0 | | 0.5 | 合格<br>Pass |
| 14 | 放射性（外照射指数）<br>Radioactive (index of external exposure) | / | A类装饰装修材料：IRa ≤ 1.3<br>Grade A building materials : IRa ≤ 1.3 | | 0.8 | 合格<br>Pass |

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## GNS Ceramics - ST03, Tiles, 20x20cm, Matt, Light Grey - Wet Sliptest MG120821-16

12 Aug 2021

## Slip Resistance Classification of New Pedestrian Surfaces - AS4586:2013 Appendix A

| | |
|---|---|
| Date Tested: | 12 Aug 2021 |
| Test Report Number: | MG120821-16 |
| Client Name & Address: | GNS Ceramics Pty Ltd - 13/400 Bilsen Rd, Geebung QLD 4034 |
| Test Site / Surface Tested : | ST03, Tiles, 20x20cm, Matt, Light Grey - Fine textured |
| Sample Information : | Samples and Test Information Supplied by Client |
| Wet Pendulum Test carried out using : | Slider 96 (4S) Rubber slider |
| Testing Officer / Approved Signatory: | Michael Genero |
| Pendulum in use - Calibration Date : | #SK2072 - 07.05.21 - Wessex Portable Skid Tester |
| Signature of Approved Signatory : |  |

**Test Results :**

| Sample No. | Swing 1 | Swing 2 | Swing 3 | Swing 4 | Swing 5 | Mean BPN of last 3 swings : | SCV : | Surface Picture |
|---|---|---|---|---|---|---|---|---|
| T1 - 0° | 71 | 71 | 70 | 70 | 70 | 70 | N/A | |
| T2 - 45° | 70 | 70 | 69 | 69 | 68 | 69 | N/A | |
| T3 - 90° | 69 | 69 | 69 | 69 | 69 | 69 | N/A | |
| T4 - 180° | 71 | 71 | 70 | 70 | 70 | 70 | N/A | |
| T5 - 270° | 70 | 69 | 69 | 68 | 68 | 68 | N/A |  |

| | |
|---|---|
| Reported SRV For Test Area : | 69 |
| CLASSIFICATION using Slider 96 (4S Slider) | P5 = > 54 |

*Accredited for Compliance with ISO/IEC 17025. The information presented herein and on the Sliptest Report is copyright and is protected by copyright law, any reproduction of this information and test report except in full is prohibited. Sliptest Australia Pty. Ltd. performed this on site test with reference to the following Australian Standard testing criteria, of AS 4586:2013 Classification of new pedestrian surface materials. Appendix A – Wet Pendulum Test Method and Hand Book HB 198: 2014 with reference to AS/NZS 4663: 2004 Slip Resistance measurement of existing pedestrian surfaces and HB 197: 1999. These results to not account for Future Wear, Maintenance or Contamination of this surface once in-situ.*

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