



## SLIP RESISTANT CERAMICS – Versatile Performance

Slips, trips & falls are the leading cause of injury in Australia. Correct flooring specification has an integral role in minimising this impact.

# Mars

## Attractive Performance

**Metz Mars** series offers an exciting range of 21 sophisticated hues suitable for indoor and outdoor use in Residential and Commercial applications. At last a range of slip resistant tiles that look good!



Metz Mars series vitrified floor tiles in **Grip** finish are ideal for:

- Entry foyers & lobbies
- Bathroom & amenities areas
- Dining and public food service areas
- Access areas, courtyards, terraces, concourses
- Many wet barefoot areas

Features:

- Solid 9.5mm thick vitrified tile
- Achieves an **R11, B slip rating – Grip Finish**
- Available in 300x300 and 300x600mm formats
- Available with a range of accessories such as coves, step treads, tozettos and listellos

**Not just for floors** – Mars range is also available in **plain** (R9) and **polished finishes**. These are ideal for walls, facades and floor areas where slip resistance is not required.



Nero



Medium Grey



Grey Ash



Honey



Red



Rose



Antique White



Pink Wash



Bronze



Pale Pink

Colour reproduction from printing is indicative only – please contact Metz for product samples.  
See over for more colours and information on slip ratings.



Established 1953 Rev. 03/09

• ACID PROOFING • SPECIALTY TILE SYSTEMS  
• INDUSTRIAL FLOORING





## SLIP RESISTANT TILES – Versatile Performance

Slips, trips & falls are the leading cause of injury in Australia. Correct flooring specification has an integral role in minimising this impact.



Portugal Rose



Roman Brown



Butter Scotch



Rosewood



Bone



Moss Green



Aqua



Midnight Blue



Grey Blue



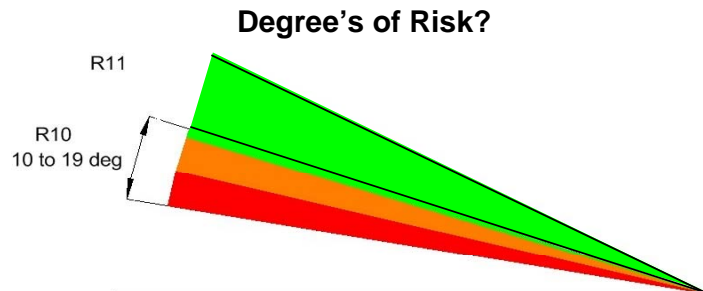
Rust



Ice

The R10 slip resistance category can be problematic for specifiers. Many have noted a substantial difference in tiles all advertised as meeting the R10 requirement. This has led to some scepticism about the accuracy of test results and the classification system. Much of this is because the R10 category includes such a large variance of test results.

In fact the R10 category is the broadest with test scores ranging from 10<sup>0</sup> - 19<sup>0</sup>. This means that one “R10” tile could virtually be almost twice as slippery as another “R10”, therefore providing inadequate performance. Note also that a number of variables such as differences between batches, colours, size formats, actual testing, and the “initial drop” factor\*, may result in the installation of a tile that is of a lower slip resistance than expected.



Metz provides a range of tiles, which are manufactured to achieve an R11 rating, allowing specifiers to have greater confidence in the slip resistance performance for general areas where an R10 tile may be sufficient.

Why R10 when you can R11? The simple answer to this problem is specify one category higher. Metz offers a selection of R11 tiles, so you can achieve the desired look with the required performance.

\*Initial drop factor - refers to the inherent characteristic of virtually all ceramic tiles that the slip resistance test result is immediately lower (drops) following installation or even a mild scrubbing of the tile surface prior to testing. This can be measured using accelerated wear testing where the tiles receive a standard number of abrasive cycles to simulate the effects of wear and measure the decline in slip resistance

The information provided in this sheet is offered as an assistance to specifiers to reinforce the importance of their becoming familiar with the slip resistance standards (AS/NZS 4586), and the Handbook HB:197 “An Introductory Guide to Slip Resistance of Pedestrian Surface Materials”. Where “tiles” are generally referred to in the above information, the same requirements apply to other floor finishes.

The ultimate decision to use the Standards Australia Handbook as an assistance guide or definitive minimum requirement rests with each specifier and their clients. Given the trend of litigation for injury claims, the inclusion of slip resistance as major selection criteria is surely essential. Note that all tiles exhibit an initial drop in slip resistance when first placed into service. This should be considered when selecting the level of slip resistance for an application.

Further information can be provided by:  
Standards Australia – [www.standards.org.au](http://www.standards.org.au)  
CSIRO Manufacturing & Infrastructure Technology – [www.cmit.csiro.au](http://www.cmit.csiro.au)



[www.metz.net.au](http://www.metz.net.au)

Please contact us for more details:

**Sydney**  
Ph: (02) 9671 1311  
Fax: (02) 9671 4292  
Email: [info@metz.net.au](mailto:info@metz.net.au)

**Melbourne**  
Ph: (03) 9561 6144  
Fax: (03) 9561 6944  
Email: [melbourne@metz.net.au](mailto:melbourne@metz.net.au)

**Brisbane**  
Ph: (07) 3823 5555  
Fax: (07) 3823 5552  
Email: [gld@metz.net.au](mailto:gld@metz.net.au)