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PEI Rating

A PEI rating is based on the degree of deterioration of a floor tile, not determined by the reduction in its thickness but by its appearance between the worn surface and the unworn surface.

Although this is the only reliable gauge for consumers to use in determining the wear expectations of flooring products, it should be noted that this rating scale is not a measurement of quality. It is a scale that gives an indication of the areas of use each manufacturer recommends and has designed their tiles to be best used.

The "standard test method for visual rating of appearance of resilient in-service exposure to foot traffic" was developed by the Porcelain Enamel Institute (PEI) and is recommended by the American Society Testing Materials (ASTM). This is assessed under standard lighting conditions. This is more visible on dark surfaces. For this reason, the PEI value is shown in catalogues on the individual tile and not the whole series.

PEI classes range from 1 to 5. PEI 2 is to be used in areas where very low traffic is anticipated. In many cases it is the aesthetic detailing of these tiles that is the prime consideration. This is why you will find high gloss, vibrant colours and metallic aspects in this group of tiles. Where as Tiles that have a PEI rating of 5 are designed for abrasive and heavy traffic areas. These tiles will often be very dense and have a greater impact resistance.

PEI I – 1 No Foot Traffic

Ceramic tile suggested for interior residential and commercial wall use only.

PEI II– 2 Light Traffic

Ceramic tile suggested for interior residential and commercial wall use and for residential soft traffic areas such as bathrooms and bedrooms where gentle footwear is used.

PEI III– 3 Light to Moderate Traffic

Ceramic tile suggested for residential flooring, countertop and wall applications, with the exceptions of some entries and kitchens if heavy or abrasive traffic is expected.

PEI IV– 4 Moderate to Heavy Traffic

Ceramic Tile for Residential (Entry, Kitchen and balcony), Commercial and light institutional floor and wall use. Areas where abrasive or outside dirt could be tracked.

PEI V– 5 Heavy Traffic

Ceramic tiles for all Residential, Commercial and Institutional floor and wall applications subject to extremely heavy for very abrasive traffic.

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations.

The supply of our products & services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.