

# THIN PORCELAIN TILES

We're loving the innovation & design coming out of Italy at the moment; especially with the increasing range of thin porcelain tiles. Not only are they between 3.5mm & 5.5mm thick but they are also available up to an impressive 3000mm x 1000 mm in size.

Here's a little bit of information about them:

- Thin porcelain is produced by a different machine than normal porcelain & ceramic tiles. Normal tiles are pressed at 4500 tonnes. Thin porcelain is rolled through a machine at 16000 tonnes, pushing all the tension out of the tile as well, making it less likely to crack. Giving a 3mm tile the same strength as a normal 9mm tile.
- Larger formats allow greater coverage and minimal grout joints, which provides an impervious surface suitable for all surfaces including commercial kitchens, bench tops, wet areas, external floors and cladding and more.
- Thin porcelain has a bending strength. It can bend to create a circle with a radius of 5m.
- Thin porcelain can be used to tile over existing floors or walls. Please ensure that the surface you are tiling on does not have more than a 3mm tolerance.
- Laying thin porcelain on walls & floors: Adhesive must be used on both the tile and the substrate. (6mm trowel for substrate & tile). \*Suitable adhesive must be used. Please contact us for more information\*
- Thin porcelain is manufactured with raw materials that do not contain any synthetic substances and therefore offers the security of Fire resistance, Thermal Shock resistance, Durability and Easy cleaning- superior to that of wood and carpet.
- **Thin Porcelain is Eco friendly-** Ideal for the construction on low-energy buildings for floor & wall coverings.

## Examples of bending:

- **Curved walls**
- **Shower floors (to achieve the required fall)**

E.G.:

- **Create the fall before laying the tile.**
- **Cut out the hole in the centre of a 1000x1000 tile for the waste.**
- **Lay the 1000x1000 piece- put weight on the tile until adhesive dries.**

## Advantages:

- Hotels/ Apartment buildings can use to tile over top of existing tiles on top levels with out having a problem with weight.
- Hotels etc.- No noise or disruption to guests in other rooms from removing existing tiles.
- Renovating Shops, Restaurants, Hotels etc.- Less time to stay closed for- Tile straight over the top & can be walked on the next day.
- No mess from demolition/ removing existing tiles.