

**E3/AS1 INTERNAL MOISTURE
ALTERNATIVE SOLUTION COMPLIANCE DOCUMENT
MAX FLOOR SPC FLOORING**

Max Floor

Alternative solution compliance document Max Floor - Stone Based SPC Flooring

As of November 2021 there has been a building code change for flooring. This relates to E3/AS1 - Timber and Timber-based products.

E3/AS1 states that an impervious and easily cleaned surface must extend at least 1.5m from any sanitary item within the following listed areas: Kitchen, Toilet, Laundry, and Bathroom, or any other wet area that includes a basin, tap, toilet or sink. This must also include perimeter protection from water ingress.

Put simply, it means the industry is improving and that under E3 in the New Zealand building code, timber or timber-based flooring is no longer suitable in areas which include sanitary fixtures or sanitary appliances. This includes:

- Solid timber flooring
- Laminate flooring
- Engineered wood flooring

Products which are suitable include:

- Stone-Based Laminate Flooring (SPC)
- Porcelain, Ceramic and Natural Stone Tiles

For specification of SPC flooring into a wet area you will need to present this compliance documentation as an alternate solution.

Max Floor surface layer and water resistance

Is SPC flooring is 100% water - resistant?

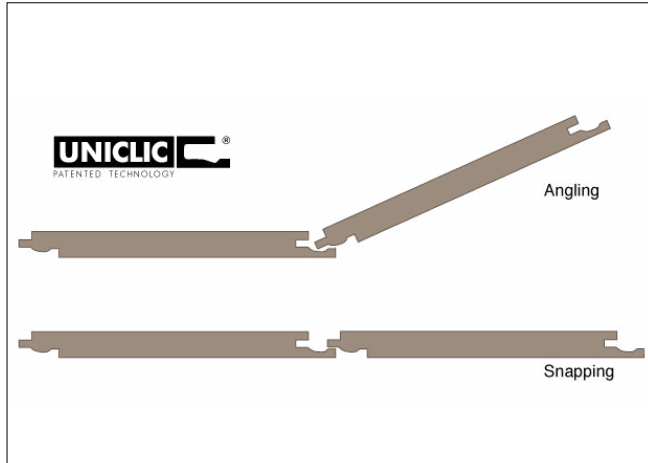
Yes, one of the biggest benefits of a SPC flooring option is that it is 100% water-resistant. The resin in the SPC core prevents water passing through the product, making SPC a good flooring choice for kitchens, bathrooms, laundry rooms, and even restaurants.

The built in IXPE insulation/underlay layer is also 100% water resistant.

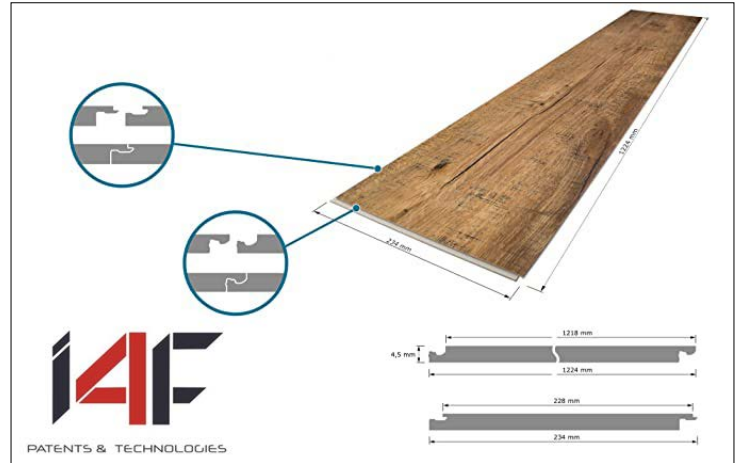
Max Floor locking system

As part of the design of Max Floor we have engaged patented locking systems, being Uniclic and I4F technology. These systems are pre-tensioned which pulls the boards together locking planks to ensure a watertight substrate.

For more information on these systems, please click the links below.



Uniclic System |



I4F System |

Max Floor perimeter protection | Aqua-Shell

Along with the patented locking systems, Max Floor must also be installed with the Aqua-Shell perimeter protection system. This system comprises of a flexible adhesive silicone and closed cell (waterproof) PEF rod, to provide the required resistance to water splash and potential ingress. Should the wall lining be installed with a greater gap than 6mm a waterproof self adhesive BRW Butyl tape may also be specified.

For more information and installation specifications for this system, please follow the link attached:

Further options from Tilemax

All Tilemax available flooring systems present an impervious and easily maintained/cleaned surface layer once installation is complete. Our key products are all porcelain, ceramic or stone based meaning we have a wide range of preferred and acceptable solutions to ensure you meet your project and building code requirements.

Please contact one of our local branches or see on our website for ranges that will help you complete your project in accordance with this New Zealand Building Code amendment.

