

E3 / AS1 Guidance

Kaindl Aqua Pro Supreme Laminate

8/14/2025

Robert Malcolm Limited supplies Aqua Pro Supreme laminate flooring, manufactured in Austria by Kaindl, a global leader in laminate production since 1989. The Aqua Pro Supreme range has been specifically developed with advanced moisture-resistant technology, making it suitable for use in designated splash areas of private residential homes, including kitchens, laundries, bathrooms, and WCs. Supporting documentation is provided to demonstrate compliance with NZBC Clause E3 – Internal Moisture as an Alternative Solution.

E3 Internal Moisture

E3.3.1 An adequate combination of thermal resistance, ventilation, and space temperature must be provided to all habitable spaces, bathrooms, laundries, and other spaces where moisture may be generated or may accumulate.

E3.3.3 Floor surfaces of any space containing sanitary fixtures or sanitary appliances must be impervious and easily cleaned

E3.3.5 Surfaces of building elements likely to be splashed or become contaminated in the course of the intended use of the building, must be impervious and easily cleaned

E3.3.6 Surfaces of building elements likely to be splashed must be constructed in a way that prevents water splash from penetrating behind linings or into concealed spaces

E3.3.1 An adequate combination of thermal resistance, ventilation, and space temperature must be provided to all habitable spaces, bathrooms, laundries, and other spaces where moisture may be generated or may accumulate.

Please refer to the Robert Malcolm Installation Recommendations – Kaindl Aqua Pro Supreme Laminate, in conjunction with NZ Flooring Installation Standard NZS/AS 1884:2013 and the FloorNZ Best Practice Guidelines for Resilient Flooring.

[Robert Malcolm Installation Recommendations - Kaindl Aqua Pro Supreme Laminate](#)

[NZ Flooring Installation Standard NZS/AS 1884:2013](#)

[FloorNZ Best Practice Guidelines for Resilient Flooring](#)

E3.3.3 Floor surfaces of any space containing sanitary fixtures or sanitary appliances must be impervious and easily cleaned

NZWTa is an independent testing facility engaged by Robert Malcolm Limited to perform water penetration testing, both on assembled joints and at the floor to wall junction. ISO 4760:2022 (E) Topical Moisture Resistance- Assembled Joint. Please see the test results below that demonstrate no evidence of moisture penetration through to the substrate during a 24 hour test.

[Impervious Test \(Join\)](#)

[Impervious Test \(Perimeter\)](#)

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E3.3.5 Surfaces of building elements likely to be splashed or become contaminated in the course of the intended use of the building, must be impervious and easily cleaned

The surface of Kaindl laminate flooring is characterised by its hygienic, closed surface. The surface very easy to clean, can be easily disinfected and has antibacterial properties. Kaindl Aqua Pro Supreme laminate flooring is constructed of multiple layers including a wear resistant overlay made from cellulose paper that is impregnated with melamine and aluminium oxide, a high quality printed melamine impregnated design layer, Aqua Pro HDF core made from sustainable softwood timbers including a sealed, pressed bevel edge for moisture protection, and a melamine impregnated balancing layer to provide dimensional stability and moisture protection.

NZWTa Test results confirm that Kaindl Aqua Pro Supreme meets the performance requirement 'impervious' when installed and in accordance with the Robert Malcolm Installation Recommendations – Kaindl Laminate.

[Cleaning and Maintenance - Kaindl Aqua Pro Supreme Laminate](#)

[Impervious Test \(Join\)](#)

[Impervious Test \(Perimeter\)](#)

E3.3.6 Surfaces of building elements likely to be splashed must be constructed in a way that prevents water splash from penetrating behind linings or into concealed spaces

If installation is to take place in an area susceptible to spills or moisture getting behind linings or concealed spaces, the perimeter must be sealed within 1.5m of a sanitary fixture or appliance. A 10mm compressible polyethylene (PE) foam backer rod should be inserted to fill all expansion spaces in these areas. The backer rod should be completely covered with **Admil N600 Wet Area Sealant**, this provides a seal between the floor and adjoining vertical surface.

An acrylic sealant should not be used. A small bead of flexible sealant should be applied where the skirting meets the laminate floor, creating a barrier to prevent any spills or liquids from getting underneath or behind the skirting. Any fixed objects, door frames etc should be sealed in the same way with **Admil N600 Wet Area Sealant**.

Independent testing proves following the Robert Malcolm Installation Recommendations – Kaindl Aqua Pro Supreme Laminate will prevent water splash from penetrating behind linings or into concealed spaces

[Robert Malcolm Installation Recommendations - Kaindl Aqua Pro Supreme Laminate](#)

[Impervious Test \(Perimeter\)](#)

[Admil N600 BRANZ Appraisal](#)

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