



RE: E3/AS1 TIMBER & TIMBER-BASED FLOORING PRODUCTS – ALTERNATIVE SOLUTION COMPLIANCE DOCUMENT

To whom it may concern,

Please find below Quantum's recommended 'alternative solution' to cover the E3/AS1 Building Code requirement recently updated here in NZ. This updated code stipulates an impervious and easily cleaned surface must extend at least 1.5m from any sanitary items within the Bathroom, Toilet, Kitchen, and Laundry spaces, along with correct perimeter protection from water ingress;

WISE Cork, WISE Wood, Hydrocork

The face layers of all these products remain impervious and easy to clean. Whether it be the durable Hydrocork PVC, or the non-pvc digital prints from the WISE collections, these collections offer high quality, commercially rated wear layers, ensuring a completely impervious surface that is easily cleaned and maintained.

Cork Pure

Following correct installation, Bona Traffic <https://www.lookfloors.co.nz/product/12/bona-traffic-natural-5-litre> must be applied to the new cork floor with a suggested minimum 2-coat application. Once applied, the Cork Pure surface is now impervious and easy to clean.

The Valinge 2G locking joint system provides tight, strong and sealed joints.

Valinge has remained an industry leader in integrated glueless joining systems since 1993. The 2G locking joint, has become an exceptionally durable and popular jointing system due to the strong and tight sealed joints it provides. These joints provide ample resistance to normal surface water splash and spillage for such applications and do not require any additional sealing in order to comply with the standard.

Perimeter protection from splash.

Our installation instructions only provide for a glue-down method, and this becomes more relevant in the management of perimeter protection for water splash. Glue-down inhibits any movement in the flooring, which extends to the perimeter of the installation, enabling sealant to remain intact and waterproof. Typically, this would be used at the perimeter of bathroom and laundry applications, and also adjacent to any wet appliances in kitchen or laundry areas. Our suggested sealant is available here <https://www.lookfloors.co.nz/product/1837/bona-gap-master-310-ml> and care should be taken to closely match selected flooring or joinery.

Membrane Sealing Requirements

Kitchens in Multi-Dwelling Buildings (e.g., Apartments) - Ensure kitchen sink overflows comply with requirements under [2.0.1\(b\) of E3/AS1](#). If this is not possible, then a wet area membrane must be specified beneath the cork flooring for added precaution against potential flooding incidents. For Bathrooms, Toilets, and Laundries in Multi-Dwelling Buildings (e.g., Apartments), a wet area membrane system must be specified beneath the area where the cork flooring is to be installed.

We are confident that the above points help justify our product as an 'alternative solution' for utilisation in wet areas as per current building code requirements when followed alongside our updated installation instructions available online here.

Warm Regards

Quantum Group