

RE: E3/AS1 LAMINATE PRODUCTS – ALTERNATIVE SOLUTION COMPLIANCE

To whom it may concern,

Please find below Belgotex NZ recommended “alternative solution” information to cover E3/AS1 where a building consent for new or refurbished work is required and complies with E3/AS1 building code requirement.

Belgotex NZ have been distributing the following laminate ranges for 2 years, the product is manufactured in Germany and has been in operation and manufacturing for 50+ Years.

The product has been installed into residential and commercial applications in the following areas - Kitchens, Dining, Laundries, Toilets, and Bathrooms.

For the use of Belgotex of Solido Elite WR, Authentic XXL, and Dynamic XXL product ranges.

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 our Installation guidelines available to download from our website

[Solido Elite WR Installation Recommendations](#)

[Authentic XXL Installation Recommendations](#)

[Dynamic XXL Installation Recommendations](#)

E3.3.2

Free water from accidental overflow from sanitary fixtures or sanitary appliances must be disposed of in a way that avoid loss of amenity or damage to household units or other property.

The following can be used and is as per the document on page 3.

This is a Building/plumbing design not flooring. Discuss with designers. Amendment allows as part of containment for integrated overflows instead of floor wastes.

Supplement Section

Belgotex recommends Gilt Edge Industries specifications for installation of Authentic XXL, Dynamic XXL, and Solido Elite WR products which can be downloaded from www.giltedge.co.nz/systems/specifications

Watersplash Kitchens, Toilets & Laundries along with Bathrooms

- [Concrete substrates - Laminate Overlay on Concrete floors E3 Kitchen, Toilet & Laundry Watersplash](#)
- [Concrete substrates - Laminate Overlay on Concrete floors E3 Bathrooms Watersplash](#)
- [Timber substrates - Laminate Overlay on Timber Floors E3 Kitchen, Toilet & Laundry Watersplash](#)
- [Timber substrates - Laminate Overlay on Timber Floors E3 Bathrooms Watersplash](#)

Containment- Bathrooms

- [Concrete substrate-LAMINATE OVERLAY E3 AS1 Containment 09122021](#)
- [Timber Substrate- LAMINATE ON TIMBER E3 AS1 Containment 07122021](#)

E3.3.3

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

Solido Elite WR has a Isowaxx• surface protection face layer providing resistance to surface water and spillage ensuring an impervious surface that is easily cleaned.

Constructed with a Megaloc Aqua Protect locking system, this too provides water resistance with an effective reinforced top layer providing extraordinary resistance to wear and micro scratches making it durable and long lasting.

[Solido Elite WR Technical Specifications](#)

Dynamic XXL and Authentic XXL ranges have an Aluminium Oxide surface protection face layer providing resistance to surface water and spillage ensuring an impervious surface that is easily cleaned.

Constructed with a Megaloc• locking system, this too provides water resistance with an effective barrier against water penetration.

[Dynamic XXL Technical Specifications](#)

[Authentic XXL Technical Specifications](#)

E3.3.4

Wall surfaces adjacent to sanitary fixtures or sanitary appliances must be impervious and easily clean-
Please refer to the Wall provider/Builder/ Construction Company for specific information.

E3.3.5

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

Please refer to our Care and Maintenance guidelines available to download from our website

[Solido Elite WR Care and Maintenance Guide](#)

[Dynamic XXL and Authentic XXL Care and Maintenance Guide](#)

E3.3.6

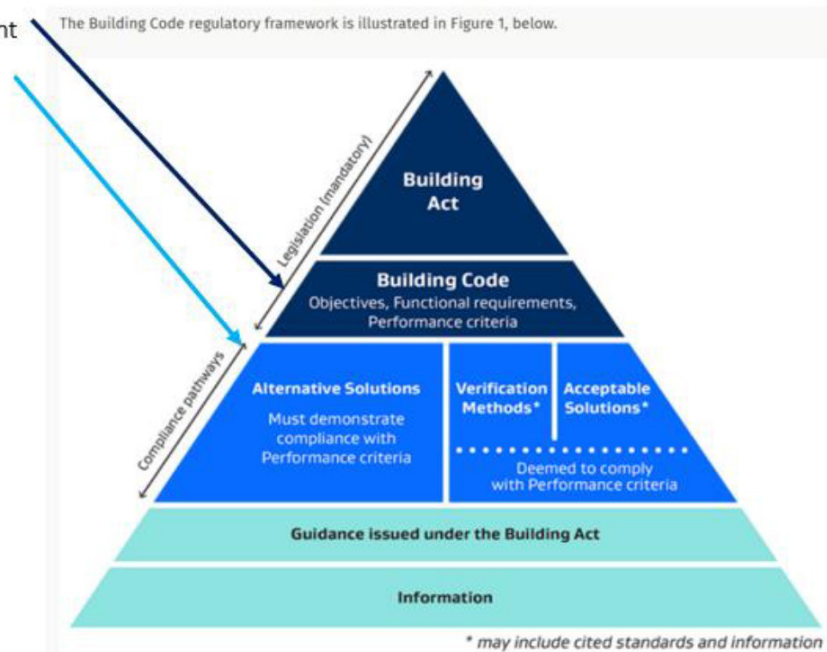
Surfaces of building elements likely to be splashed must be constructed in a way that prevents water splash from penetrating behind linings or into concealed spaces.

All Belgotex laminates require that gaps or cracks are eliminated around any parts of the perimeter that are exposed to water splash.

In keeping with clause 3.1 and 3.6 all perimeters that are within 1.5m of all or any sanitary fixtures and appliances are to be sealed with a PE Rod and flexible sealant recommended by Gilt Edge Industries or similar.

Wording and clauses of the E3

- Objective
- Functional requirement
- Performance clauses



KEY PROVISIONS FROM THE NEW ZEALAND BUILDING CODE - BUILDING REGULATIONS 1992 (VERSION AS AT 15 NOVEMBER 2021) SCHEDULE 1 CLAUSE E3 INTERNAL MOISTURE

OBJECTIVE

E 3.1

(a) Safeguard people against illness, injury, or loss of *amenity* that could result from the accumulation of internal moisture; and

(b) Protect household units and other property from damage caused by free water from another household unit in the same building

FUNCTIONAL REQUIREMENT

E3.2 *Buildings* must be constructed to avoid the likely hood of-

- Fungal growth or the accumulation of contaminants on linings and other building elements; and
- Free water overflow penetrating to an adjoining household unit; and
- Damage to building elements being caused by the presence of moisture.

PERFORMANCE

E3.3.2 Freewater from accidental overflow from *sanitary fixtures* or *sanitary appliances* must be disposed of in a way that avoids loss of *amenity* or damage to *household units* or *other property*. This is Building/plumbing design **not** flooring. Discuss with designers. Amendment allows as part of containment for integrated over flows instead of floor wastes.

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*.