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23 May 2016

Brickworks Building Products  
Att: Luke Parker and Sarah Fathinia  
Luke.Parker@terracade.com.au

Dear Luke,

### **Earthquake Requirements for Terracade TN. New Zealand**

The Terracade TN system has been checked for compliance with NZS1170.5-2004: Earthquake actions in New Zealand.

As per NZS1170.5-2004 Clause 8.5.1 the Earthquake action imparts load does not exceed 360% of the cladding self-weight. Therefore such loads should be compared with ultimate wind pressures and should be considered in the design on a case by case basis.

Movement however in a vertical direction does require restraint against the tiles lifting directly off the rail system under such an action. We therefore confirm that for installation in New Zealand, the Terracade TN system requires an anti-block or trim to be installed along its top edge to ensure tiles under the action of true vertical seismic events, are unable to lift and thus detach from their supporting rail.

If this precaution is undertaken, the system is suitable for installation against Earthquakes in New Zealand. However this precaution does not alleviate any requirements that may exist for the installation against lateral loads as mentioned above.

Yours sincerely,  
On behalf of,  
Aurecon,

A handwritten signature in black ink, appearing to read "Michael Chernyavsky".

Michael Chernyavsky  
Structural Engineer