

PRODUCER'S STATEMENT

On

TRAFFIGARD MEMBRANE PROCESS

Hitchins New Zealand Limited is the manufacturer and marketer of a range of product components involved in the Traffigard Membrane Process.

All products are produced to a high standard and subject to strict Quality Control procedures. The Traffigard Membrane Process is installed by an approved licensed Gunac applicator throughout New Zealand in keeping with Product Technical Dataspecs and comprehensive written Application Procedure instructions.

The Traffigard Membrane Process has been on the New Zealand, Australian, Far East and American market for in-excess of 25 years. There are thousands of Traffigard Membrane Projects satisfactorily installed and performing as required throughout these countries.

What is unique with the Traffigard process is its ability to be easily and invisibly repaired (if required) maintained and resurfaced to extend the warranty period.

Alternative Solutions

In association with Hitchins' Research Laboratories Pty Limited, today Traffigard has an Australian Accreditation by CSIRO.

Copy of the CSIRO 247 Appraisal is available on request. You will note that it also covers service or internal wet areas; i.e. bathrooms etc.

Hitchins New Zealand Limited at the request of the Wellington Territorial Authority (Council) commissioned the Joyce Group Limited to carry out an investigation of at least 10 Traffigard membranes that are approximately 15 years old in terms of performing as required under the Revised Building Code and specifically B2, Durability.

The Joyce Group Verification Report date is September 2004 and available upon request. The report covers projects aged 14 to 24 years old and clearly states that the Traffigard Membrane meets the requirement of the Building Code of not only B2 but E2 also.

In 2006 we commissioned CSIRO to carry out re-validation of technical assessment of their Appraisal 247, this resulted in the Traffigard membrane being re-tested for:-

- Appendix A: Durability (elongation to break)
- Appendix B: Resistance to cyclic movement
- Appendix C: Water vapour transmission
- AS 3558 Water Absorption

CSIRO Industrial Research Service completed the exercise and issued the Test Report 3702 dated 3 January 2007 covering the above and AS 4858:2004 Wet Area Membrane, elongation at break on:-

- Control Set
- Water Immersion
- Detergent Immersion
- Bleach Immersion
- Heat Ageing

Traffigard membrane passed all of the above tests with very good margins and CSIRO Test Report 3702 is available on request.

Therefore the Joyce Verification Report, CSIRO Appraisal 247 and the CSIRO Industrial Research Service Test Report 3702 are accepted by the territorial authorities (Councils) and as such Traffigard membrane is approved as an alternative solution.

This Producer's Statement is to be read in conjunction with Hitchins' Product Technical documents on Traffigard Membrane Process, being:

- Traffigard Dataspecs
- Traffigard Brochure
- Traffigard Quality Control Schedule
- Traffigard Recommended substrate "Construction"
- Traffigard Application Procedure Instructions
- Traffigard Product Performance Warranty

1.0 New Zealand Building Code (NZBC) Compliance

The Traffigard Membrane Process when applied in accordance with the standard specification and recommendations of Hitchins New Zealand Limited by an approved licensed Gunac applicator will comply with and meet the relevant provision of the NZBC Clause.

B1	Structure
B2	Durability
E2	External Moisture
F2	Hazardous Building Materials
E3/AS1	Internal Wet Areas

Details are set out in this Producer's Statement.

2.0 System Description

The Hitchins' Traffigard Membrane Process system is a multi-layered reinforced process, comprising of:-

- Applicable Substrate Sealer
- Joints and Holes Flushing compounds
- Butylene Bandage
- Traffigard Hi-Build Acrylic Bodycoat
- 300 gram Chopped Strand Fibreglass Mat
- Traffigard Hi-Build Acrylic Topcoats

The finish can when required incorporate Traffigard non-slip and Formrok 335 for additional chemical resistance. The above system can/or incorporate recessed jointing to plywood sheets bandage and flushed for improved performance. See recessed jointing dataspec.

3.0 Finish Characteristics

- 3.1 Individual components of the system are covered in Hitchins New Zealand Limited Product Technical Dataspecs.
- 3.2 Being a liquid-applied process incorporating Chopped Strand Mat, the Traffigard Membrane Process does have certain material characteristics.
- A Slightly profiled surface due to the incorporation of the Chopped Strand Mat.
 - B Slight ridging on the plywood sheet joints.
 - C Slight wrinkling at upstands.

4.0 Structure

The design, strength and stability, wind-loading, impact resistance and the construction of the substrate as required under Clause B1 will be covered by the project documentation the construction firm and must comply with the Building Code and Hitchins' substrate construction requirements document.

5.0 Composition

- 5.1 Hitchins' Traffigard Membrane Process as under Clause 2.0 above is further detailed in the Product Technical Dataspecs, covering Solids, Flashpoint, Light Fastness, Film Flexibility, Tensile Strength, Chemical Resistance, and Fire Resistance.
- 5.2 As supplied, during its application and after installation Traffigard Membrane Process does not create any harmful substances and therefore complies with the provisions NZDCF2, Hazardous Building Materials.

6.0 Durability

The Traffigard Membrane Process under normal service conditions will comply within the requirements of the Building Code of Compliance for a service finish of 15 years subject to the maintenance requirements as covered under the Traffigard Product Performance Warranty.

7.0 Weather Resistant

The Traffigard Membrane Process applied as per the written application procedure instructions and maintained, provides a watertight integrity and therefore complies with E2 External Resistance.

For and on behalf of:-

HITCHINS NEW ZEALAND LIMITED



Jim Gerbes
MANAGING DIRECTOR

Dated: 24 September 2008