

# **PRODUCT TECHNICAL STATEMENT**

*for*

## **SUREGUARD PLATES ~ Guarding Concealed Services in Buildings**

### **THE PRODUCT**

SureGuard Plates are specially designed metal plates made of high strength (340 MPa minimum) pre-galvanized (Z120 minimum) steel 1.55mm thick. When installed as recommended SureGuard Plates help prevent concealed services (such as plumbing, gas pipes, electrical wiring etc) from being accidentally penetrated or pierced as they pass through the timber framing of buildings by standard fixings such as screws & hammered nails etc.

SureGuard plates do this by shielding concealed services and blocking the progress of fixings that seek a secure hold in or through the timber frame behind the wall lining. The sudden increased resistance presented by the SureGuard Plate signals to the installer that there are hidden services behind the wall lining. This allows the installer to reposition the fixing to a more suitable position with minimal damage to the building or personal injury to themselves.

### **THE SCOPE**

SureGuard Plates are designed to be used on timber framing in “Closed Environments” as defined by New Zealand Standard Timber-framed buildings NZS3604:2011 Table 4-1, 4-3 and Figure 4-3(b) and the Building Code.

It is recommended that all services running through timber framing be protected with SureGuard plates wherever fixings may threaten or create a hazard, potentially damaging or penetrating concealed services such as pipes or wires.

SureGuard Plates are:-

- 1) Not designed for and cannot be considered to provide structural support to timber framing or any other element of the building.
- 2) Not designed to block high impact fixings such as power-actuated & explosive fasteners.

If in doubt as to the correct use of SureGuard plates contact SureGuard Ltd for written guidance.

### **COMPLIANCE with the BUILDING CODE**

If handled, stored, used and installed in accordance with the statements and conditions of this Product Technical Statement, then the SureGuard Plate will comply with the following clauses of:

- 1) The New Zealand Building Code (NZBC) :
  - ~ B2 Durability
  - ~ F2 Hazardous Building Materials
- 2) Acceptable Solution, Cited Standard ~ NZS 3604:2011 New Zealand Standard Timber Framed Buildings ~ Section 4 Durability

and meet The New Zealand Building Code (NZBC) requirement for 50-year life expectancy in a dry Closed Environment

## HANDLING and STORAGE

SureGuard Plates are to be stored in their original packaging and protected from weather, moisture and are to be handled in a way to avoid damage, especially to their galvanized surface.

## INSTALLATION of SUREGUARD PLATES

Refer separate document ~ “Installation Guide” for SureGuard Plates.

Do not add additional holes or otherwise alter SureGuard Plates.

## GENERAL

SureGuard Ltd makes or provides no statement, representation or warranty except as expressly set out in this statement and all conditions, statements, representations or warranties implied by law or trade custom are excluded.

SureGuard Ltd accepts no liability if SureGuard Plates are not used in accordance with the Installation Guide and recommendations contained or referred to in this literature.

This building product is not subject to a warning or ban under Section 26 of the Building Act 2004.

This publication may be superseded by a new publication. SureGuard Ltd accept no liability for reliance upon publications that have been superseded.

## For more information refer

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