

# Fielders ShieldGuard™

## Technical Data Sheet

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### Product Description

Fielders® ShieldGuard™ is a 3-layer, vapour permeable membrane designed for commercial and residential walling applications. This membrane provides an effective barrier to the effects of weathering and resists the passage of water, dust and other particles into the building substructure. The breathable nature of the membrane allows moisture vapour to escape, which minimises the risk of condensation and mould growth.

### Product Specifications

|                   |   |
|-------------------|---|
| <b>Width</b>      | 1.5m  |
| <b>Length</b>     | 50m   |
| <b>Thickness</b>  | 0.5mm   |
| <b>Weight</b>     | 8.8kg   |
| <b>Storage</b>    | Store between 5-25°C in a dry place, out of direct sunlight |
| <b>Shelf Life</b> | 12 months   |

### Technical Specifications

ShieldGuard™ meets the requirements of AS 4200.1:2017 for Pliable Building Membranes.

|   |                                      |   |
|---|--------------------------------------|---|
| <b>Duty Classification</b>              | AS 1301.448:2019                     | Light Wall  |
| <b>Vapour Classification</b>            | ASTM E96/E96M-2022                   | Class 4, Vapour Permeable   |
| <b>Water Control Classification</b>     | AS/NZS 4201.4:1994                   | Water Barrier   |
| <b>Flammability Index</b>               | AS 1530.2-1993                       | ≤5 Low  |
| <b>Resistance to Dry Delamination</b>   | AS/NZS 4201.1:1994                   | Pass  |
| <b>Resistance to Wet Delamination</b>   | AS/NZS 4201.2:1994                   | Pass  |
| <b>Tensile Strength - Mean (MD)</b>     | AS 1301.448:2019                     | 4.1 kN/m  |
| <b>Tensile Strength - Mean (LD)</b>     | AS 1301.448:2019                     | 2.8 kN/m  |
| <b>Edge Tear Resistance - Mean (MD)</b> | AS 4200.1:2017                       | 214N (Extra Heavy)  |
| <b>Edge Tear Resistance - Mean (LD)</b> | AS 4200.1:2017                       | 154N (Extra Heavy)  |
| <b>Bursting Force - Mean</b>            | AS 2001.2.19-1988                    | 292N (Light Wall)   |
| <b>Moisture Shrinkage</b>               | AS/NZS 4201.3:1994                   | 0.1%  |
| <b>Emittance</b>                        | AS/NZS 4201.5:1994<br>AS 4200.1:2017 | Front/Back - 0.22/0.24<br>Classification - IR Non-Reflective (NN) |
| <b>UV Resistance - Exposed</b>          |                                      | 3 months  |
| <b>Surface Resistivity</b>              | AS/NZS 3100:2022                     | Electrically Non Conductive                                       |
| <b>Thickness</b>                        |                                      | < 1.0mm   |

### Product Application

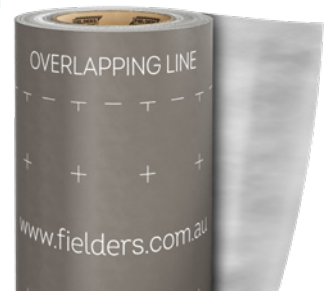
ShieldGuard™ is a Class 4 breathable membrane suitable for use in most Australian Climate Zones\*. It is not suitable for applications in tropical Climate Zone 1.

This product has a Light Wall duty classification and may be used in commercial and residential wall and gable applications.

This product may be used where non-combustible materials are required by the NCC 2022 Volume 1 C2D10(6)(f) and NCC 2022 Volume 2 H3D2(1)(f) – it does not exceed 1mm in thickness and has a Flammability Index ≤5.

For installation instructions, refer to the Fielders ShieldGuard™ Installation Guide.

\*Refer to the Fielders Condensation Control guide for best practice compliance to the NCC.



## Storage & Handling

Store product out of direct sunlight in a cool, dry place between 5-25°C. Product should not be exposed to chemicals or left in direct contact with soil. ShieldGuard™ is not designed to withstand prolonged exposure to the elements. Upon installation of this product, exterior cladding must be installed within 3 months. Product left exposed during this period must be inspected for damage and repaired or replaced prior to installation of the exterior cladding.

## Product Descriptions

All descriptions, specifications, illustrations, drawings, data, dimensions, and weights contained in this publication and websites containing information from Fielders are approximations only. They are intended by Fielders to be a general description for information and identification purposes and do not create a sale by description. Fielders reserves the right at any time to:

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- ShieldGuard™ is warranted for a period of 12 years from delivery.
- This publication is intended to be an aid for all trades and professionals involved with specifying and installing Fielders® products and not be a substitute for professional judgement.
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## Australian Standards

| Australian Standard | Title   |
|---------------------|---|
| AS 1301.448:2019    | Methods of test for pulp and paper, Method 448: Tensile strength of paper and paperboard (constant rate of elongation method, 20 mm/min) (ISO 1924-2:2008, MOD) |
| AS 1530.2-1993      | Methods for fire tests on building materials, components and structures, Part 2: Test for flammability of materials   |
| AS 2001.2.19-1988   | Methods of test for textiles, Part 2.19: Physical tests – Determination of bursting force of textile fabrics – Ball burst method                                |
| AS 4200.1:2017      | Pliable building membranes and underlays Materials  |
| AS/NZS 4201.1:1994  | Pliable building membranes and underlays – Methods of test, Method 1: Resistance to dry delamination  |
| AS/NZS 4201.2:1994  | Pliable building membranes and underlays – Methods of test, Method 2: Resistance to wet delamination  |
| AS/NZS 4201.3:1994  | Pliable building membranes and underlays - Methods of test, Method 3: Shrinkage   |
| AS/NZS 4201.4:1994  | Pliable building membranes and underlays – Methods of test, Method 4: Resistance to water penetration   |
| AS/NZS 4201.5:1994  | Pliable building membranes and underlays – Methods of test, Method 5: Emittance   |
| AS/NZS 4201.6:1994  | Pliable building membranes and underlays - Methods of test, Method 6: Surface water absorbency  |
| AS/NZS 3100:2022    | Approval and test specification – General requirements for electrical equipment   |
| ASTM E96/E96M-2022  | Gravimetric Determination of Water Vapor Transmission Rate of Materials   |

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[fielders.com.au](http://fielders.com.au)

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