

# LYSAGHT COREGUARD™

## TECHNICAL DATA SHEET

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### PRODUCT DESCRIPTION

LYSAGHT COREGUARD™ 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

COREGUARD™ 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 AS 4200.1:2017	Front/Back - 0.22/0.24 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

COREGUARD™ 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 LYSAGHT COREGUARD™ Installation Guide.

\*Refer to the Lysaght 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. COREGUARD™ 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 Lysaght are approximations only. They are intended by Lysaght to be a general description for information and identification purposes and do not create a sale by description. Lysaght reserves the right at any time to:

- a) Supply goods with such minor modifications from its drawings and specifications as it sees fit, and
- b) Alter specifications shown in its publications and websites to reflect changes made after the date of publication.

## DISCLAIMER, WARRANTIES AND LIMITATIONS OF LIABILITY

- COREGUARD™ 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 LYSAGHT® 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

FOR DETAILED PRODUCT INFORMATION,  
MANUALS AND PROJECT CASE STUDIES VISIT:

**LYSAGHT.COM**

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