

"Thor Building Products with its
Rhino Range of Insulation has all your insulation needs covered"



### NCC 2019 Condensation Management

What does this mean to you?
What Products to use and where?





Rhino Wrap / Breather

**Rhino Primo Wrap** 

**Rhino Breathable Membrane** 



with Volume 1: F6.2 and Volume 2: 3.8.7.2

Pliable Building Membrane





How to Comply with Volume 1: F6.2 and

Volume 2: 3.8.7.2 Part (a)

Compliance with this clause is achieved with the installation of a pliable building membrane as follows:

Where a pliable building membrane is installed in an external wall, it must:

- (i) comply with AS/NZS 4200.1; and
- (ii) be installed in accordance with AS4200.2; and
- (iii) be a vapour permeable membrane for climate zone 6, 7 and 8; and
- (iv) be located on the exterior side of the primary insulation layer of wall assemblies that form the external envelope of a building.



To comply with this clause there must be a drained cavity when no water barrier membrane is installed. As standard Brick Veneer construction includes a drained cavity by design, all Brick Veneer walls automatically comply when no water barrier membrane is installed.

However, external moisture ingress can be influenced by wind pressure and easily breach a drainage cavity to come into contact with water sensitive materials.

The use of a water barrier membrane with an appropriate level of permeability is always recommended, particularly if the membrane is being used during construction to allow internal works to progress as part of a reverse build program.

## Rhino Range Solution for Zones 6, 7 & 8:

Brick Veneer (drained cavity)

✓ Rhino Wrap Breather RP-51B

√ Rhino Primo Wrap
 RP-51-PM

Timber & Cement Cladding (or if no drained cavity)

√ Breathable Membrane RP-51-BML

### Rhino Range Solution for Zones 1 to 5:

Brick Veneer (drained cavity)

✓ Rhino Wrap

RP-51 RP-51B

✓ Rhino Wrap Breather✓ Rhino Primo Wrap

RP-51-PM

Cement Cladding - or if no drained cavity (refer manufacturers recommendations)

√ Rhino Primo Wrap

RP-51-PM

✓ Breathable Membrane

RP-51-BML

**Timber Cladding** 

✓ Breathable Membrane

RP-51-BML

### Volume 2: 3.8.7.2 Part (b) says:

The Condensation Management clause will only apply to wall wrap products that have water hold-out (water barrier) properties. This means that a non-water barrier (or a perforated foil breather product) may still be installed onto an external wall frame in any climate zone, provided there is a drained cavity.

As Brick Veneer construction includes a drained cavity by default, this means that all Brick Veneer in any climate zone may still use **Rhino Wrap Breather RP-51B** as it is a perforated non-water barrier product. Although, please note that perforated non-water barrier products do not meet cladding manufacturer's warranty terms and should not be used behind lightweight cladding in any situation, even if a drained cavity has been included through battens. Behind lightweight cladding in Zone 1 to 5 use **Rhino Primo Wrap RP-51-PM** (always refer manufacturers recommendations) and in Zone 6 to 8 use **Rhino Breathable Membrane RP-51-BML.** 

# Climate Zone 1 to 5



RHINO WRAP RP-51
RHINO WRAP BREATHER RP-51B

RHINO PRIMO WRAP RP-51-PM

Size Availability					
Width 1350mm	Length 30m	Area 40.5m²			
Width 1350mm	Length 60m	Area 81m²			
Width 1500mm	Length 30m	Area 45m²			
Width 1500mm	Length 60m	Area 90.5m <sup>2</sup>			

# Timber & Cement Cladding

refer manufacturers recommendations

RHINO PRIMO WRAP RP-51-PM (Zone 1)

RHINO BREATHABLE
MEMBRANE RP-51-BML

(Zone 2-5)

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Width 1350mm	Length 30m	Area 40.5m²
Width 1350mm	Length 60m	Area 81m²
Width 1500mm	Length 30m	Area 45m²
Width 1500mm	Length 60m	Area 90.5m <sup>2</sup>

#### Size Availability

Width 1350mm	Length 30m	Area 40.5m <sup>2</sup>
Width 1350mm	Length 50m	Area 67.5m <sup>2</sup>
Width 1500mm	Length 30m	Area 45m²



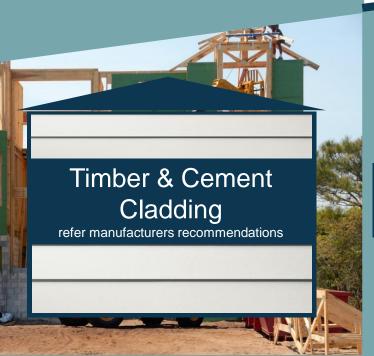
# Climate Zone 6 to 8

### **RHINO WRAP BREATHER**

**RP-51B** 

**RHINO PRIMO WRAP** 

RP-51-PM



RHINO BREATHABLE MEMBRANE RP-51-BML



### Size Availability

Width 1350mm Length 30m Area 40.5m<sup>2</sup>
Width 1350mm Length 50m Area 67.5m<sup>2</sup>
Width 1500mm Length 30m Area 45m<sup>2</sup>