



## Changes to NCC2022 – Condensation Management

Wall wrap must be Vapour Permeable when wrapping a residential building in Climate Zones 4 to 8

How to comply with the Clause in Climate Zones 1 to 8

# NCC2022 – Condensation Management

## What is the change?

The National Construction Code (NCC) 2022 has introduced a change to the 'Condensation Management' provisions which impacts the selection of wall wrap for building classes 1, 2 and 4.

The change will effect all Building Permits approved after the mandatory adoption of NCC 2022. All Building Permits approved using NCC2019 will not be affected by this change, and may use the wall wrap included in the original NCC2019 compliant specification.

The NCC2022 changes to Volume 1 Part F8D3 and the Housing Provisions Clause 10.8.1 state that if a wall wrap is installed onto an external wall frame, climate zones 4 & 5 now require the use of a vapour permeable membrane – this is in addition to the existing requirement for the use of a vapour permeable membrane in climate zones 6, 7 & 8.

**Wall Wrap requirements are changing. Climate Zones 4 to 8 now require vapour permeable membranes when used in residential buildings (Class 1, 2 & 4)**



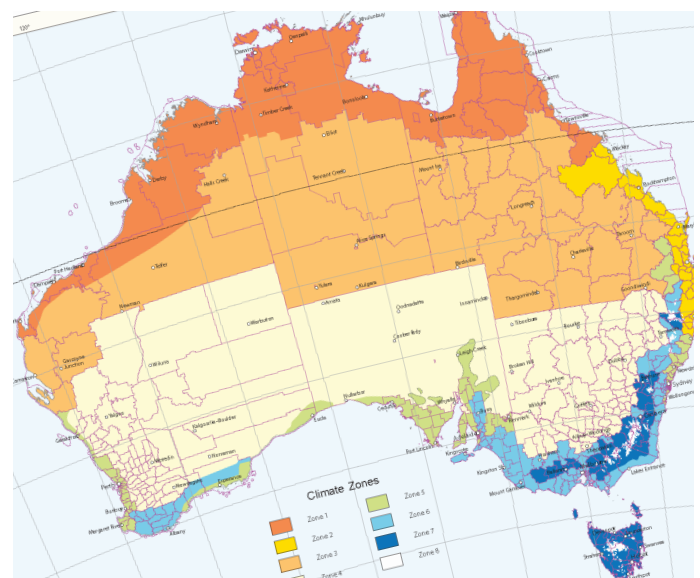
## Why has this change been made?

Better insulated and sealed homes deliver improved energy efficiency, but they need to release the water vapour accumulated inside as a result of everyday activities like heating, cooking & washing. Vapour permeable wall wraps allow the release of water vapour from inside the home while preventing the entry of external water and air.

## What does this mean for you and your state?

The mandatory change over date for NCC 2022 varies from state to state. Please check the National Construction Code website for your relevant state's mandatory adoption date.

Any Building Permit for Class 1, 2 and 4 buildings approved after the mandatory adoption of NCC 2022 that includes a wall wrap on the external wall frame, must be vapour permeable if it is constructed in climate zones 4, 5, 6, 7 or 8.





# Bradford Wall Wrap Solutions

Bradford's range of wall wraps represent the latest in moisture control, air tightness, vapour barrier and vapour permeable water tight membranes. These products are designed to reduce the risk of condensation forming on surfaces within the building envelope where it is undesirable, while also preventing the entry of water and dust.

## BCA CLIMATE ZONES 2 TO 8

### ENVIROSEAL RW PLUS VAPOUR PERMEABLE WALL WRAP

Bradford Enviroseal RW Plus is a vapour permeable wall wrap that combines high water hold out properties with high permeability to minimise the risk of condensation. It also helps to minimise air flow that enters the home through the drained cavity, improving energy efficiency and building durability. Enviroseal RW Plus is considered a pliable building membrane that is suitable for all construction types.

PRODUCT NAME	WIDTH (MM)	LENGTH (M)	M2 PER ROLL	WEIGHT (KG)	PRODUCT CODE
Enviroseal RW Plus	1350	30	40.5	5.1	483000
Enviroseal RW Plus	1500	30	45	5.8	478759
Enviroseal RW-IT*	1500	50	75	7.9	165532
Enviroseal RW Plus	2750	25	68.75	10	481184
Enviroseal RW Plus	3000	25	75	11	481185

\*RW-IT includes integrated tape release liners.



### ENVIROSEAL CW VAPOUR PERMEABLE WALL WRAP

Enviroseal CW is a vapour permeable wall wrap with a higher material gsm weight than RW Plus and is suitable for use with brick, timber, steel, fibre cement and Hebel construction.

PRODUCT NAME	WIDTH (MM)	LENGTH (M)	M2 PER ROLL	WEIGHT (KG)	PRODUCT CODE
Enviroseal CW	1500	50	75	10.7	114175
Enviroseal CW-IT*	1500	50	75	10.8	134863

\*CW-IT includes integrated tape.



## BCA CLIMATE ZONES 1 TO 3

### THERMOSEAL WALL WRAP VAPOUR BARRIER WALL WRAP

Bradford Thermoseal Wall Wrap is a tough weather barrier with high water hold out that provides additional weather protection for the external frame and insulation. Thermoseal Wall Wrap is considered a pliable building membrane that can be installed behind Brick Veneer construction and other types of construction depending on your climate zone.

PRODUCT NAME	WIDTH (MM)	LENGTH (M)	M2 PER ROLL	WEIGHT (KG)	PRODUCT CODE
Thermoseal Wall Wrap	1350	30	40.5	6.6	40483
Thermoseal Wall Wrap	1350	60	81	13	15128
Thermoseal Wall Wrap	1500	30	45	7.4	40514
Thermoseal Wall Wrap XP	1350	30	40.5	6.4	125825
Thermoseal Wall Wrap XP	1350	60	81	13	124652



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