



NCC 2022

UNDERSTANDING THE LIVABLE HOUSING REQUIREMENTS FOR DOORWAYS

December 2023 Version 2.0

INTRODUCTION

The new NCC 2022 building regulations will see new Livable Housing requirements introduced.

The aim is to improve the suitability of new Australian homes for people with mobility constraints, to aid with the ageing population.

HOW WILL THESE REGULATIONS IMPACT ON DOORWAYS?

The Livable Housing requirements state that for select doorways a minimum clear opening of 820mm must be provided. In most cases, this can be achieved by using an 870mm wide door. This minimum clear opening refers to both Hinged Swing doors and Cavity doors.

The standard also requires that at least one entry point provides a step-free path into the dwelling. It outlines different methods to achieve this and what is classified as a step-free path.

Hume Doors & Timber understand the importance of ensuring our products can be used in a way that is accessible to all and we have outlined in this document how you can meet the Livable Housing requirements using our products.

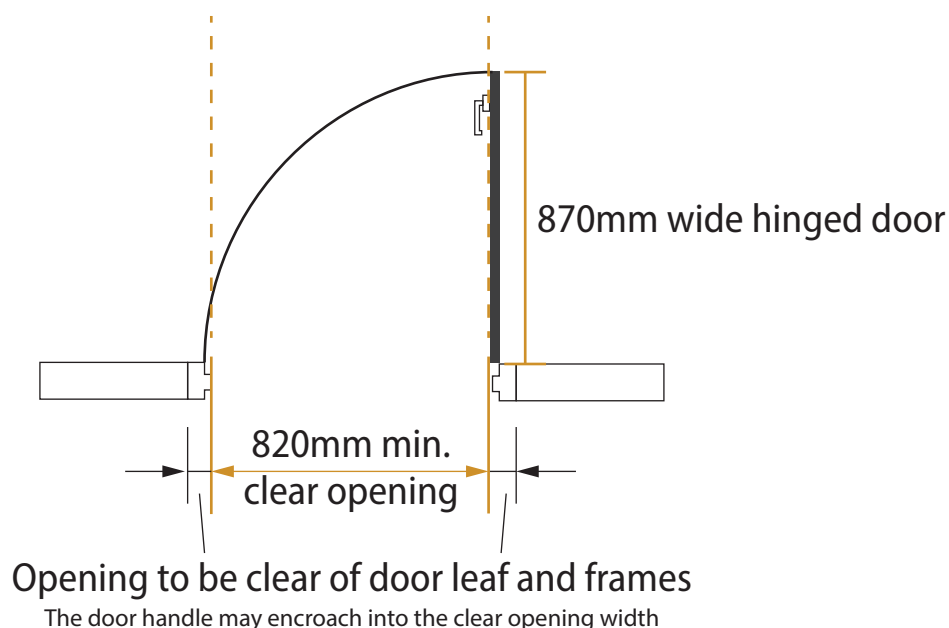
HINGED SWING DOOR REQUIREMENTS

HINGED SWING DOOR APPLICATION

All Hinged Swing doors that are 870mm wide or wider will provide the minimum 820mm clear opening needed to meet the Livable Housing requirements.

**Note: There are additional requirements for the Dwelling Entrance to meet the Livable Housing Standard.
Refer to page 4 for more information on the Dwelling Entrance.**

The following diagram shows a correctly installed **Hinged Swing door** that meets these requirements.

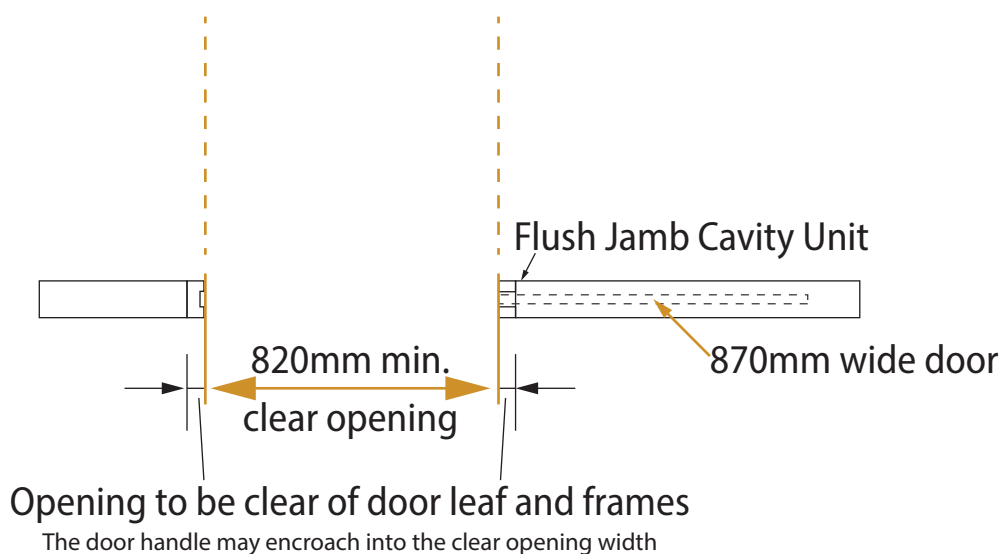


CAVITY DOOR REQUIREMENTS

FLUSH JAMB APPLICATION

All Internal Cavity Doors supplied at 870mm wide and wider when fitted to a Hume Cavity Door System in a Flush Jamb application will meet the Livable Housing requirements.

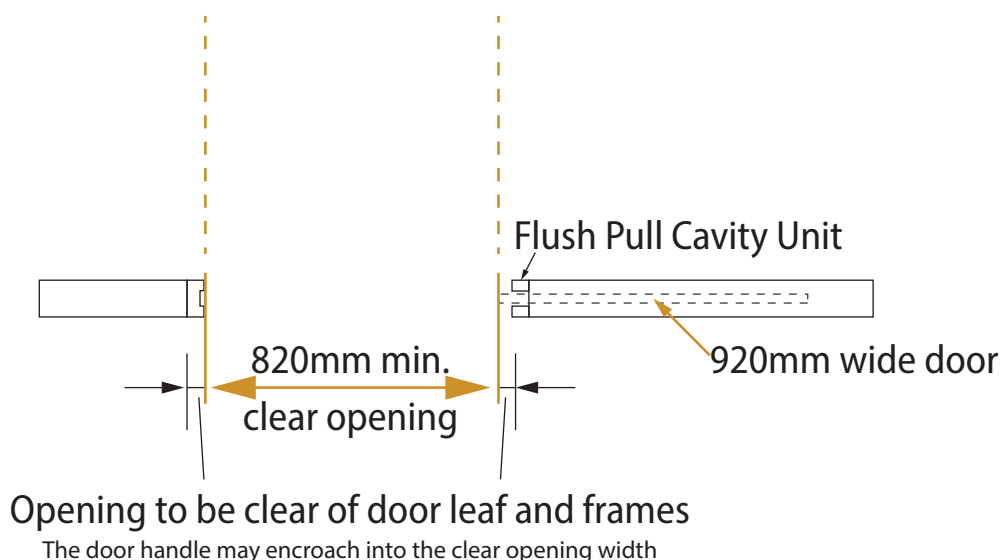
The following diagram shows a correctly installed cavity door in a **Flush Jamb** application that meets these requirements.



FLUSH PULL APPLICATION

All Internal Cavity Doors supplied at 920mm wide and wider when fitted to a Hume Cavity Door System in a Flush Pull application will meet the Livable Housing requirements.

The following diagram shows a correctly installed cavity door in a **Flush Pull** application that meets these requirements.



DWELLING ENTRANCE REQUIREMENTS

HOW TO ENSURE YOUR DWELLING ENTRANCE MEETS THE STANDARDS

The intent of the dwelling entrance requirements is to ensure dwellings are easy to enter and exit for older people and those with a mobility-related disability.

The Standard requires that at least one entry point into the dwelling meets the requirements. The entry point does not need to be the front door, provided that the designated door connects to a step-free path. For example, from the garage into the home.

At Hume Doors & Timber, we believe this approach is the most effective way to meet the regulations while allowing other entryways to comply with additional requirements, such as Bushfire BAL regulations, Water Ingress regulations etc.

To provide a step-free internal garage door, we have adapted our Insulator Door System to meet the Livable Housing requirements. This product provides an easy solution to meet the new standard.

See the next page for more information on our Insulator Door System.

See below an example of the internal access garage door with a step-free path.





DWELLING ENTRANCE REQUIREMENTS

The Insulator Door System has been adapted to suit the new Livable Housing Requirements.

INSULATOR DOOR SYSTEM

THE ENERGY EFFICIENT GARAGE ACCESS DOORWAY

- ✓ MEETS CURRENT RESIDENTIAL BUILDING REQUIREMENTS
- ✓ IMPROVES ENERGY EFFICIENCY
- ✓ ECO-FRIENDLY

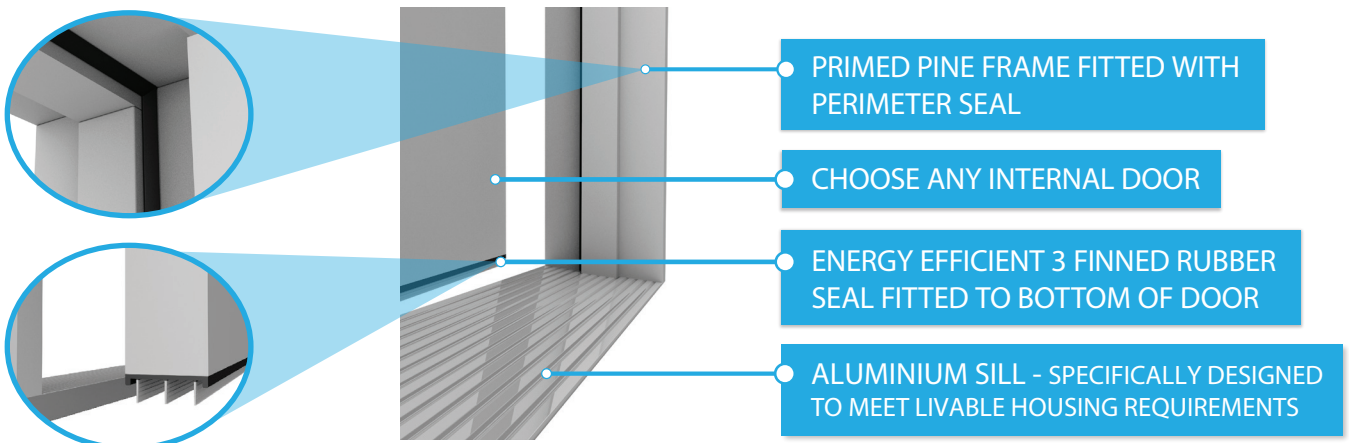
Effortlessly reduce energy usage while maintaining optimal home comfort with our Insulator Door System. Crafted to create a cozy environment and minimise energy consumption, our system meets the latest construction requirements.

Designed to meet Livable Housing Residential Building Requirements, the Insulator with its precisely angled aluminium sill caters to individuals with mobility constraints, aligning with Australia's evolving needs and NCC regulations.

Make an eco-conscious choice by selecting our Insulator Door System. Its advanced features combat drafts and air leakage, optimising energy efficiency and comfort. By reducing your carbon footprint and meeting new building standards, enjoy enhanced energy efficiency effortlessly.



INSULATOR DOOR SYSTEM CONSTRUCTION



REQUIREMENTS FOR THRESHOLDS - DOOR SILLS

The Livable Housing Standard provides 4 options for complying with the threshold requirements for an entrance door subject to clear opening sizes of 820mm or wider.

These are:

- (1) provide a level threshold, **OR**
- (2) have a door sill threshold height no more than 5mm (with rounded or beveled edge), **OR**
- (3) provide a ramped threshold (maximum 1:8 gradient) within the depth and width of the door jamb, between the entry landing and the inside floor level, **OR**
- (4) where the requirements of the above three points cannot meet the weatherproofing requirements of the NCC–
 - (a) for external entrance doors containing a raised door sill, have no lip or upstand greater than 15mm within the sill profile, and
 - (b) have no more than 5 mm height difference between the edge of the top surface of the sill and the adjoining finished floor surface level

The Hume Weatherguard Entrance Frame is the **ONLY** Hume product that will meet the requirements of option 4.

See diagram below of how the Hume Weatherguard Entrance Frame will need to be installed to meet the requirements.



RESTRICTIONS FOR THRESHOLDS - DOOR SILLS

See below example of a Front Entryway Decked Landing.



ADOPTION DATES

The Livable Housing Requirements will become effective in each state on the following dates:

| | |
|-----|------------------|
| QLD | 1st October 2023 |
| NT | 1st October 2023 |
| ACT | 1st October 2023 |
| VIC | 1st May 2024 |
| TAS | 1st October 2024 |
| SA | 1st October 2024 |
| NSW | To be Confirmed |
| WA | To be Confirmed |



NCC Livable Housing Design

NCC 2022 State and Territory adoption dates

- 1st October 2023
- 1st May 2024
- 1st October 2024
- To be Confirmed

CONTACT DETAILS



HUME DOORS
& TIMBER

NEW SOUTH WALES



HUME DOORS & TIMBER – (AUST) PTY LTD
ABN 39 001 472 493

Sydney Office & Showroom
120 Hume Highway, Lansvale NSW 2166
PO Box 333, Cabramatta NSW 2166
P | 02 9794 1111
E | info@humedoors.com.au

Port Macquarie Branch
No. 2 Belah Road, Port Macquarie NSW 2444
P | 02 6581 0011
E | pmsales@humedoors.com.au

Newcastle Branch
7 Waterloo Avenue, Thornton NSW 2322
P | 02 4966 8880
E | nclsales@humedoors.com.au

QUEENSLAND



HUME DOORS & TIMBER (QLD) PTY LTD
ABN 25 009 994 996

86 – 92 Mudgee Street, Kingston QLD 4114
PO Box 2243, Logan City D.C. Qld 4114
P | 07 3489 6200
E | sales@humedoorsqld.com.au

Cairns Branch
4-6 Ponzo Street, Woree, QLD 4868
P | 07 4041 2099
E | hdtcairns@humedoorsqld.com.au

Sunshine Coast Branch
14 Junction Drive, Coolum Beach Qld 4573
P | 07 5446 2640
E | hdtcoolum@humedoorsqld.com.au

Northern Territory Branch
3 Adams Road (Cnr Beresford),
Yarrowonga NT 0830
P | 08 8932 3733
E | hdtnt@humedoorsqld.com.au

VICTORIA



HUME DOORS & TIMBER (VIC) PTY LTD
ABN 87 006 329 906

33 Remington Drive, South Dandenong VIC 3175
PO Box 4236, South Dandenong VIC 3164
P | 03 9799 6888
E | hdtvic@humedoors.com.au

Tasmanian Branch
5 Trotters Lane, Prospect Tasmania 7250
PO Box 393, Prospect Tasmania 7250
P | 03 6774 9100
E | tassales@humedoors.com.au

SOUTH AUSTRALIA



HUME DOORS & TIMBER (SA) PTY LTD
ABN 34 007 512 209

89 Heaslip Road, Burton SA 5110
PO Box 2037, Salisbury Downs SA 5108
P | 08 8280 2000
E | hdtsa@humedoors.com.au

WESTERN AUSTRALIA



HUME DOORS & TIMBER (WA) PTY LTD
ABN 62 009 421 569

75 Briggs Street, Carlisle WA 6101
PO Box 118, Welshpool WA 6986
P | 08 9470 1800
E | hdtwa@humedoors.com.au

"Disclaimer: All information in this document is accurate at the time of publishing. Information and product designs have been resourced from information provided in the ABCB Livable Housing Design Handbook, dated July 2023. This document will be superseded by updates to the Livable Housing Design standard. For the most up-to-date regulations, please refer to the ABCB website <https://ncc.abcb.gov.au/>