

# Class 1 & 10A

## Timber Framed Buildings

TOWNHOUSES | TERRACES | DUPLEXES | VILLAS | GARAGES | DETACHED DWELLINGS

### Fire and Acoustic Wall Systems

60min Fire Rating



FIRE



ACOUSTIC



THERMAL



BRACING



Boundary  
Wall System



Intertency  
Wall System



ZeroLot™  
Wall System



Blade  
Wall System



# HardieSmart™

WALL SYSTEMS



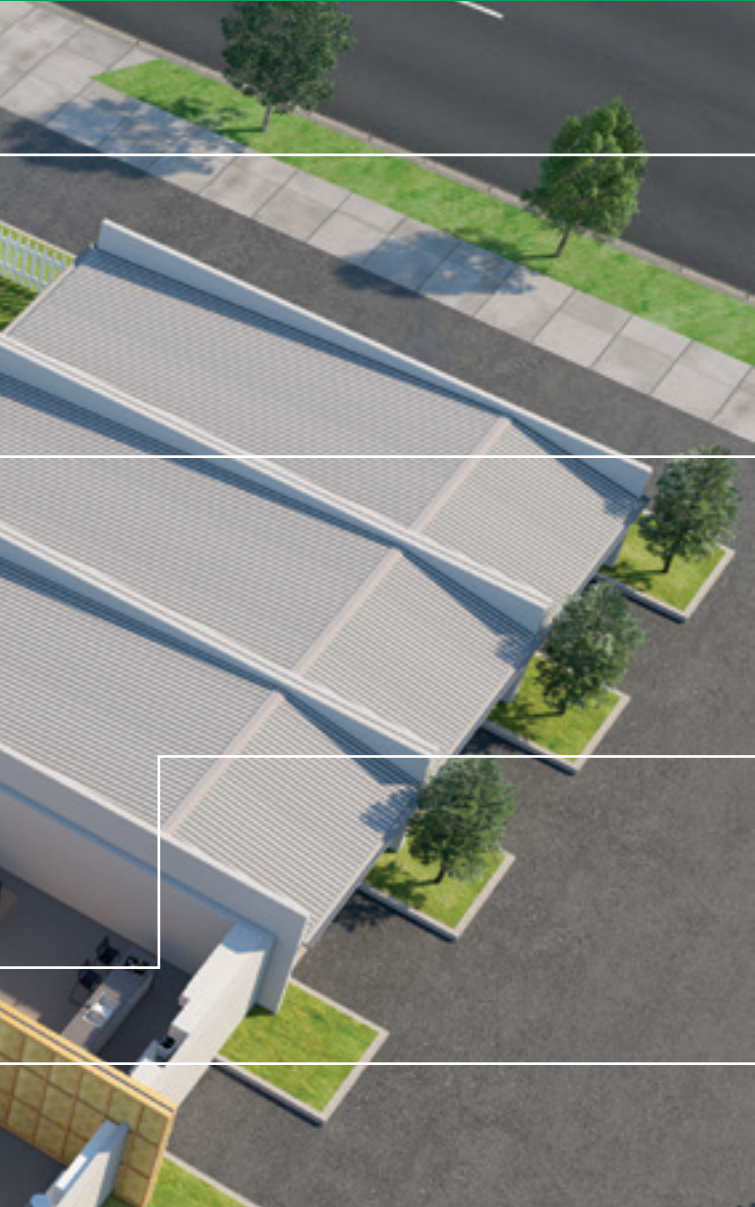
## Simply smart

HardieSmart™ systems combine the proven DNA of James Hardie's cement composite products with high-performing components to form an integrated solution designed to meet your project needs.

With the use of common building practices, HardieSmart™ systems are easily assembled for made-easy building solutions. HardieSmart™ systems are engineered with a fast, light and compact design that offers significant cost efficiencies, maximum building space and speed of construction.

HardieSmart™ systems come in a range of targeted building solutions designed for NCC Class 1 and 10A applications.





**Boundary  
Wall System**

Perfect for  
standard and  
retro-fit construction



**Intertency  
Wall System**

For semi-detached  
construction



**Zero Lot  
Wall System**

For fully-detached  
construction



**Blade  
Wall System**

Ideal for  
cantilevering  
balconies





# HardieSmart™

BOUNDARY WALL SYSTEM



# A compact boundary wall solution

HardieSmart™ Boundary wall system is a high performance, lightweight solution that is up to 45% more compact than a standard brick veneer boundary wall. Plus, feedback during site trials indicate that the system is up to 30% faster to install than alternative fire-rated plasterboard boundary solutions.

For every 10 lineal metres of HardieSmart™ Boundary wall system, you gain up to 1.25m<sup>2</sup> of floor space.# This delivers a significant saving in usable land area while maximising property value.

HardieSmart™ Boundary wall system also comes with the good looks and versatility of James Hardie™ cement composite products, as most James Hardie internal linings and external claddings may be used.

HardieSmart™ Boundary wall system is an alternative to brick, aerated concrete and other options that involve multiple components. By removing excess material and trades, HardieSmart™ Boundary wall system simplifies construction and gives you a complete system with all James Hardie™ components covered by the one product warranty.\*\*

## TECHNICAL DATA

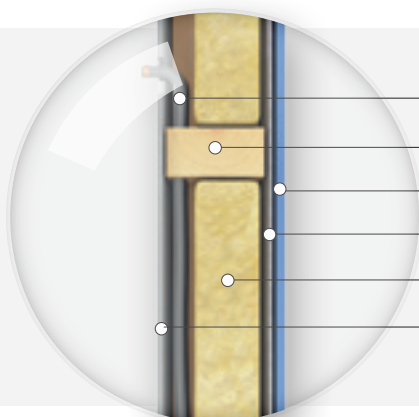
**Applications: designed for townhouses, terraces and detached buildings where external walls are in close proximity to the boundary and all bushfire zone areas (up to BAL-FZ).**

■ Fire Resistance Level (FRL):	60/60/60 minutes (from the outside)
■ Thermal Performance (Total R-value):	2.0 – 2.6
■ Acoustic Performance (R <sub>w</sub> ):	47 - 48
■ Structural Bracing (kN/m):	4.0 – 10

*Note that the above performance values may vary due to product selection and site conditions, please refer to the latest HardieSmart™ Boundary Wall System Design Guide for further information.*

# Compared to a standard 230mm thick brick veneer wall.

\*\* Terms and conditions apply. Does not cover installation.



30mm cavity for services

90mm timber stud wall

James Hardie™ external cladding (6mm or thicker)

HardieWrap™ weather barrier

60mm HardieFire™ insulation

James Hardie™ internal lining (6mm or thicker)



# HardieSmart™

INTERTENANCY WALL SYSTEM



# A simple and fast common wall solution

HardieSmart™ Intertenancy wall system is a high performance, lightweight system with a single layer design that is up to 30% faster to install than other comparable commonly available wall systems. What's more, HardieSmart™ Intertenancy wall system is up to 18% more compact;<sup>#</sup> delivering significant increases in usable living space and increased land yield.

HardieSmart™ Intertenancy wall system does not require a fire lining in between tenancy frames; minimising the risk of weather exposure to non-water resistant linings and unforeseen mould growth whilst simplifying complicated construction methods.

HardieSmart™ Intertenancy wall system is an alternative to plasterboard, aerated concrete, blockwork and other options that involve multiple components. By removing excess material and trades, HardieSmart™ Intertenancy wall system simplifies construction and gives you a complete system with all James Hardie™ components covered by the one product warranty.\*\*

## TECHNICAL DATA

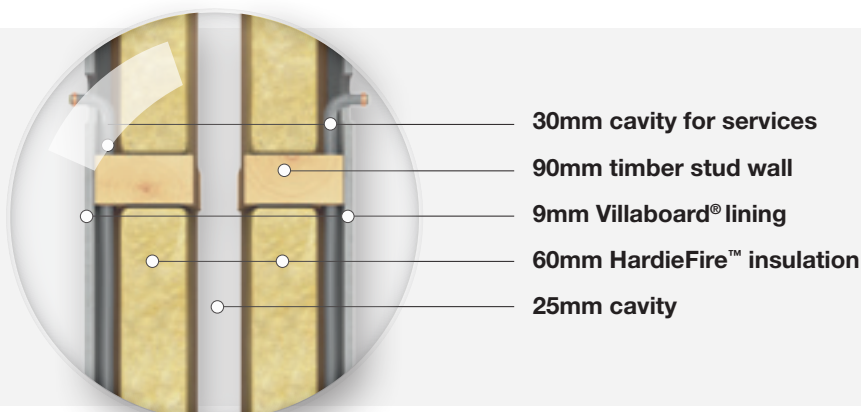
**Applications: designed for common walls between tenancies in multi-residential developments, townhouses and terraces requiring semi-detached construction.**

■ Fire Resistance Level (FRL):	60/60/60 minutes (two-way)
■ Thermal Performance (Total R-value):	4.2
■ Acoustic Performance (R <sub>w</sub> +Ctr):	>50
■ Structural Bracing (kN/m):	4.0 – 10

*Note that the above performance values may vary, please refer to the latest HardieSmart™ Intertenancy Wall System Design Guide for further information.*

*# Compared to commonly available plasterboard shaftliner systems with a 90mm twin timber frame and with similar performance levels to HardieSmart™ Intertenancy wall system.*

*\*\* Terms and conditions apply. Does not cover installation.*





# HardieSmart™

ZEROLOT™ WALL SYSTEM





# Build as you sell

In multi-occupancy projects, the HardieSmart™ ZeroLot™ wall system has the distinct advantage of enabling construction of all dwellings in your development independently. This results in flexibility of building process and improved business cash flow.

HardieSmart™ ZeroLot™ wall system also offers a higher property value for the same block of land by providing fully detached dwellings and increased internal liveable space. For instance, on every 10m wall length you gain 2.45m<sup>2</sup> of internal space per dwelling.#

HardieSmart™ ZeroLot™ wall system is an alternative to conventional brick walls. By removing excess material and trades, HardieSmart™ ZeroLot™ wall system simplifies construction and gives you a complete solution with all James Hardie™ components covered by the one product warranty.\*\*

As a new and critical addition to the system, HardieZeroLot™ panel has been specifically designed for use with the HardieSmart™ ZeroLot™ wall system. HardieZeroLot™ panel is a pre-sealed fibre cement panel with ship lap edges along the long edges. The factory-applied clear sealer technology penetrates the surface and removes the need for on-site painting, saving you time and money.

## TECHNICAL DATA

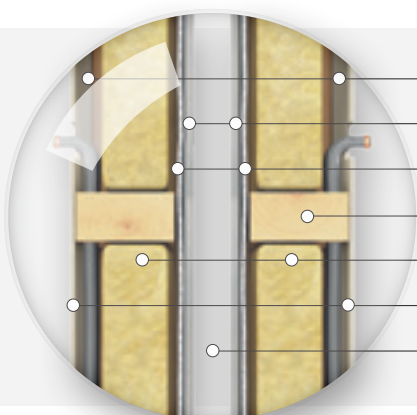
**Applications: a dual boundary wall solution designed to provide fully detached construction for townhouses and terraces with minimum offset.**

■ Fire Resistance Level (FRL):	60/60/60 min/wall <small>(one way)</small>
■ Thermal Performance (Total R-value):	2.1 per wall
■ Acoustic Performance (R <sub>w</sub> ):	47 - 48 per wall
■ Structural Bracing (kN/m):	4.0 - 10 per wall

*Note that the above performance values may vary, please refer to the latest HardieSmart™ ZeroLot™ Wall System Design Guide for further information.*

# *Compared to a standard 230mm thick brick veneer wall.*

\*\* *Terms and conditions apply. Does not cover installation.*



30mm cavity for services

HardieZeroLot™ panel

HardieWrap™ weather barrier

90mm timber stud wall

60mm HardieFire™ insulation

James Hardie™ internal lining (6mm or thicker)

25mm cavity

# HardieSmart™

BLADE WALL SYSTEM





# Ideal wall solution for separating outdoor areas

HardieSmart™ Blade wall system is a versatile and high performance wall system. Its single layer design makes it the perfect solution to separate dwellings in cantilevering balconies and ground wall extensions.

HardieSmart™ Blade wall system is highly compact; with a wall thickness starting as low as 102mm, it delivers significant savings in outdoor living space compared to other wall systems. Perfect for tight spaces and narrow sites.

HardieSmart™ Blade wall system is an alternative to plasterboard, aerated concrete, blockwork and other options that involve multiple components. By removing excess material and trades, HardieSmart™ Blade wall system simplifies construction providing a complete system with all James Hardie™ components covered by the one product warranty.\*\*

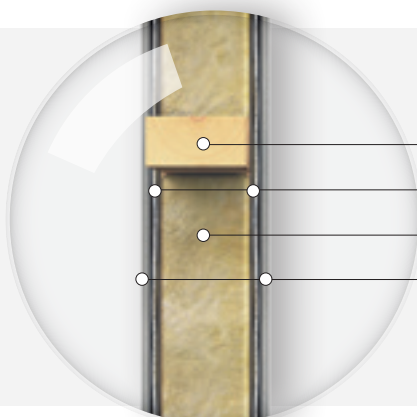
## TECHNICAL DATA

**Applications: designed for buildings where external separating walls require a Fire Resistance Level (FRL) of up to 1 hour.**

■ Fire Resistance Level (FRL):	60/60/60 minutes
■ Acoustic Performance (R <sub>w</sub> ):	47
■ Structural Bracing (kN/m):	4.0 - 10

*Note that the above performance values may vary, please refer to the latest HardieSmart™ Blade Wall System Design Guide for more information.*

*\* Terms and conditions apply. Does not cover installation.*



90mm timber stud

HardieWrap™ Weather Barrier

85mm HardieFire™ insulation

James Hardie™ external cladding (6mm or thicker)

