

NASAHI

The Smarter
Choice

 **NASAHI**[®]
building smarter



www.nasahi.net.au

NASAHİ AUSTRALIA

World Leading Manufacturer

FOR THE PAST 20 YEARS NASAHİ® HAVE BEEN ONE OF THE WORLD'S LARGEST PRODUCERS OF INNOVATIVE, HIGH QUALITY AAC MATERIALS.

Our production facility has the capacity of 700,000 m3 of AAC products per year, selling in Asia, Europe, Middle East, Africa and Australasia. Our reputation for consistently producing high quality products is exceptional.

The Nasahİ® range of building systems are regularly tested in Australia by NATA accredited laboratories. They are carefully engineered to comply with the requirements of the Building Code of Australia, and to remain at the cutting edge of product innovation.

Our ISO 9001 and JIS A 5416 manufacturing processes are audited annually by independent authorities. This ensures that we meet the needs of our customers and other stakeholders while complying with statutory and regulatory requirements.

Nasahİ's building smarter philosophy has integrated the highest quality manufacturing processes with systems in place to meet the demands of the local market. By focusing on service, product quality and technical support we provide a guarantee you can trust.



"Cost effectiveness in design is paramount to our clients and Nasahİ® systems are the perfect lightweight solution in fire rated applications for apartments and townhouses."

Dusan B
Engineer

"The products extraordinary properties in fire rating, acoustic performance and thermal rating make it the logical choice in building materials available."

Matt M
Builder



AUTOCLAVED AERATED CONCRETE

What is AAC?

AUTOCLAVED AERATED CONCRETE IS A LIGHTWEIGHT PRECAST CONCRETE BUILDING MATERIAL THAT PROVIDES EXCELLENT STRUCTURAL, THERMAL, FIRE, TERMITE AND MOULD-RESISTANT PROPERTIES.

AAC is manufactured from cement, sand, lime and water; it is aerated by adding an expanding agent to the mix. The mix is poured into a large mould and allowed to rise. These large soft blocks are sliced into the required panel sizes, and are then cured in a steam pressure autoclave for up to 12 hours. The result is a concrete panel filled with small, finely dispersed air bubbles, which is both strong and lightweight.



Nasahi Panels

NASAHI® PANELS ARE DESIGNED TO PROVIDE SUPERIOR BUILDING SOLUTIONS WITH THE FEEL OF CONCRETE AT A SIGNIFICANTLY REDUCED COST. EMBEDDED CORROSION PROTECTED STEEL MESH INSIDE THE PANELS PROVIDE EXCELLENT STRENGTH WHEN INSTALLED AS INTERNAL WALLS OR OVER A LOAD BEARING TIMBER OR STEEL FRAME. PANELS ARE SUPPLIED IN A STANDARD WIDTH OF 600MM AND UP TO 3300MM IN LENGTH, AND CAN EASILY BE CUT TO SIZE ALLOWING FAST AND STRONG INSTALLATION.

LIGHTWEIGHT AND STRONG

Nasahi® Panels are a highly engineered building material made from steel reinforced Autoclaved Aerated Concrete (AAC). The Nasahi® panels provide you with the strength of masonry at a significantly reduced weight, making it convenient, lightweight, and easy to work with.

THERMAL COMFORT

Nasahi® Systems achieve very high thermal ratings and easily meet the NCC climate requirements of zones in Australia. Compared to other masonry products Nasahi® panels are proven to reduce heating and cooling costs and provide you with a more comfortable home to live in.

QUIET

The Nasahi® Panel's unique material composition provides the thermal performance of a lightweight system while delivering excellent acoustic performance like a dense masonry product, meaning a very quiet home to live in. Nasahi® panels are commonly used as acoustic solutions for residential and commercial applications where the product is used for external cladding in high noise zones, flooring applications in prestige homes and apartments and party walls in apartments and townhouse developments.

FIRE RESISTANT

Nasahi® Panels are non-combustible and are compliant as external cladding in all Australian bushfire regions. Nasahi® Panels have been rigorously tested and will provide a Fire Resistance Level (FRL) between 60 minutes to 180 minutes depending on the system and configuration.



PEACE OF MIND

Nasahi® have been world leaders in the manufacture of AAC products for over 20 years. The Nasahi® products and systems are fully accredited to local and international standards and carry guarantees and warranties in excess of the requirements of Australian Consumer Law (ACL).

SPEED WITHOUT COMPROMISE

Nasahi® Systems have been developed to improve speed and efficiency on site without compromising on quality. Builders around Australia are embracing the construction benefits of the Nasahi® panelised systems. Three qualified tradespeople can easily install 50m² of Nasahi® Panel per day, making it significantly faster and less labour intensive than traditional masonry.

ENVIRONMENTALLY RESPONSIBLE

Nasahi® Panels are proven to be an environmentally responsible building material compared to other masonry products. The manufacture of Nasahi® panels minimises the impact on the environment by minimising greenhouse gas emissions and requiring less embodied energy during the manufacture and construction of a home.

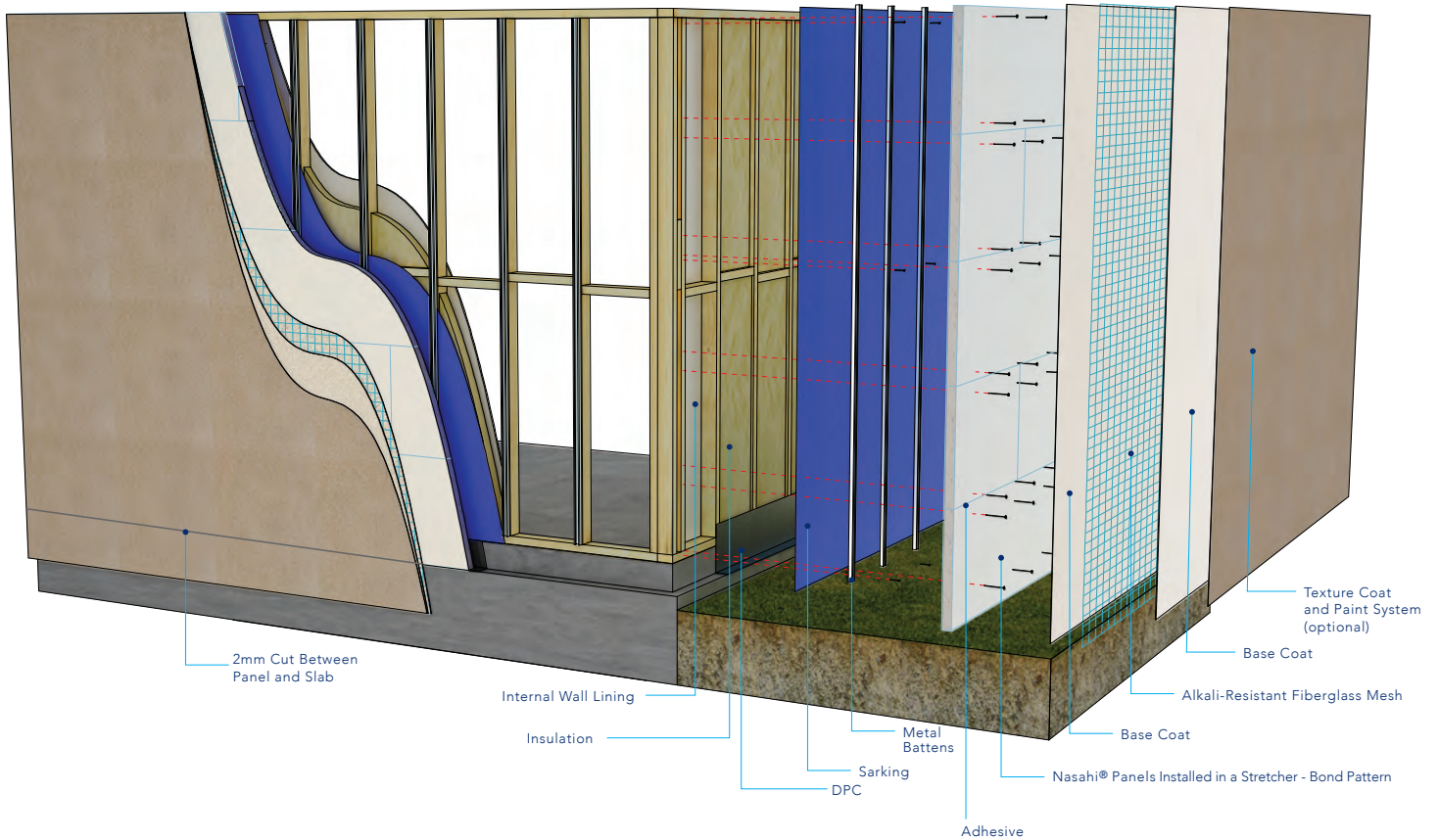
External Walls



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External Wall System

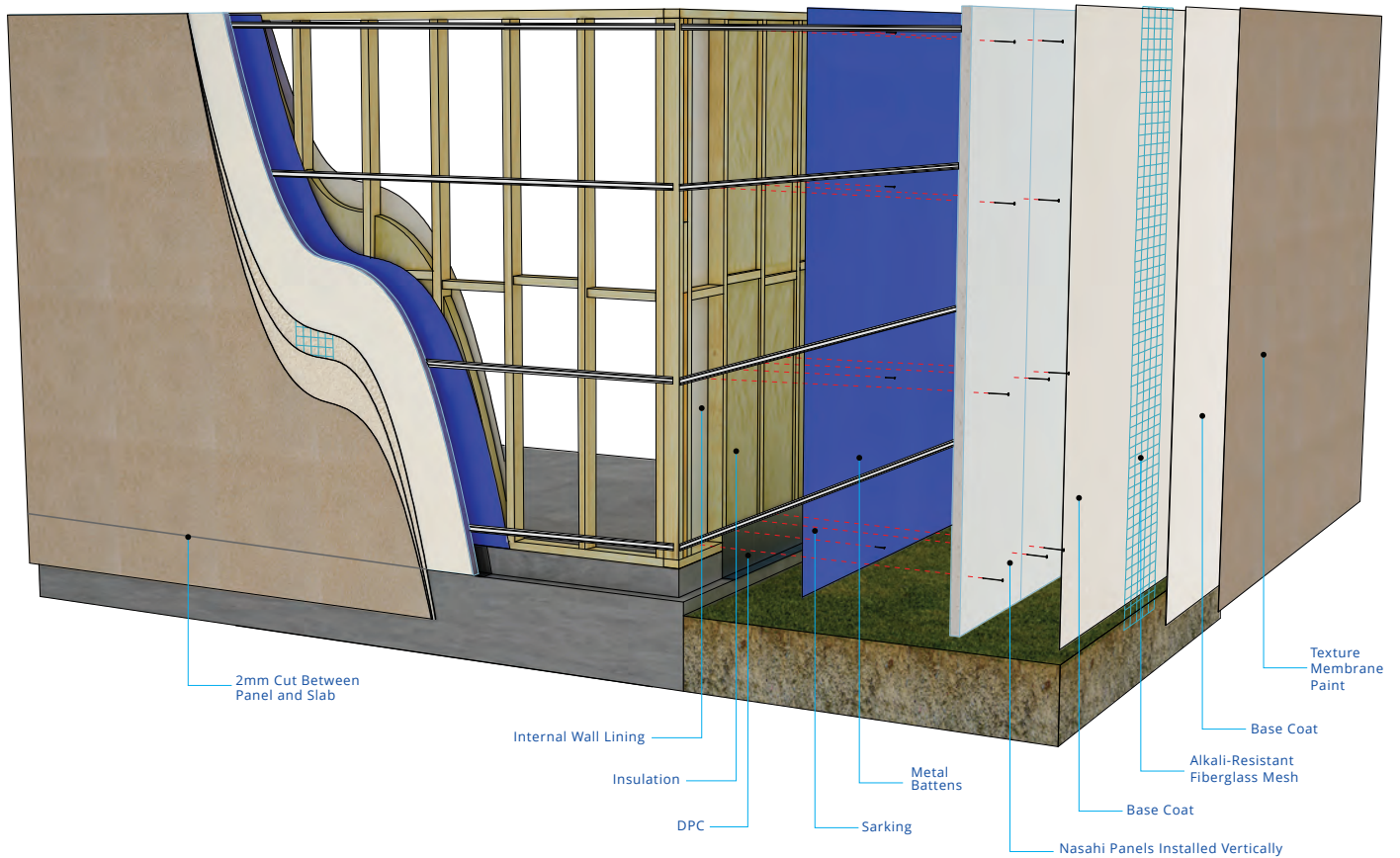
PRODUCT SIZE	50mm 62mm 75mm
PANEL WEIGHT	45kg 54kg 65kg (650kg/m ³)
FIRE RESISTANCE LEVEL	(FRL) 120/120/120
ACOUSTIC RATING	RW+Ctr 43
THERMAL RATING	R2 - R4
WALL THICKNESS	136-200mm
BAL CATEGORY	All BAL Categories
WIND ZONE	N1-N6



External Wall System

VERTICAL INSTALLATION

PRODUCT SIZE	62mm 75mm
PANEL WEIGHT	54 kg 65kg (650kg/m ³)
FIRE RESISTANCE LEVEL	(FRL) 120/120/120
ACOUSTIC RATING	RW+Ctr 43
THERMAL RATING	R2 - R4
WALL THICKNESS	136-200mm
BAL CATEGORY	All BAL Categories
WIND ZONE	N1-N6



Boundary Walls

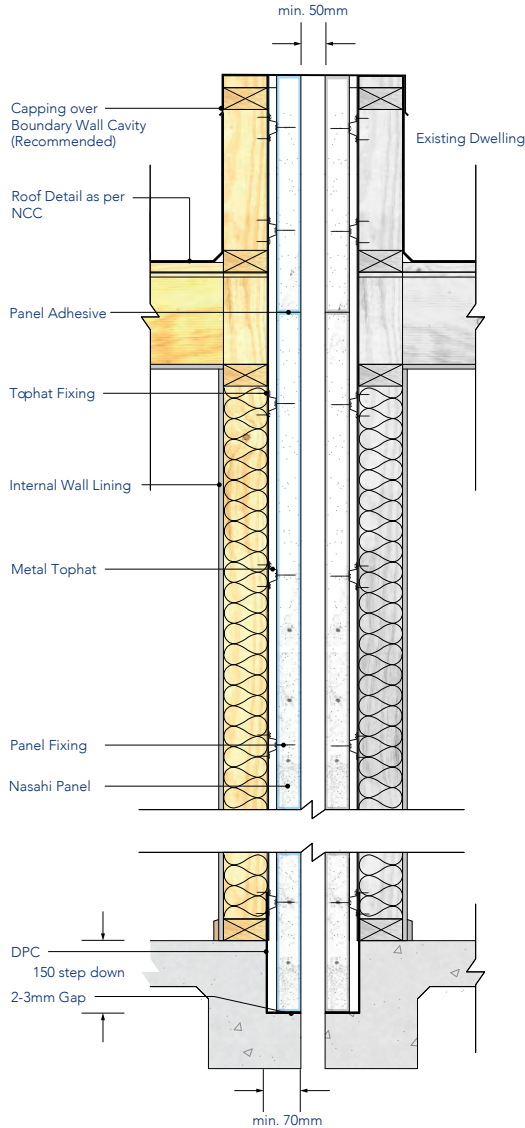


Boundary Wall System

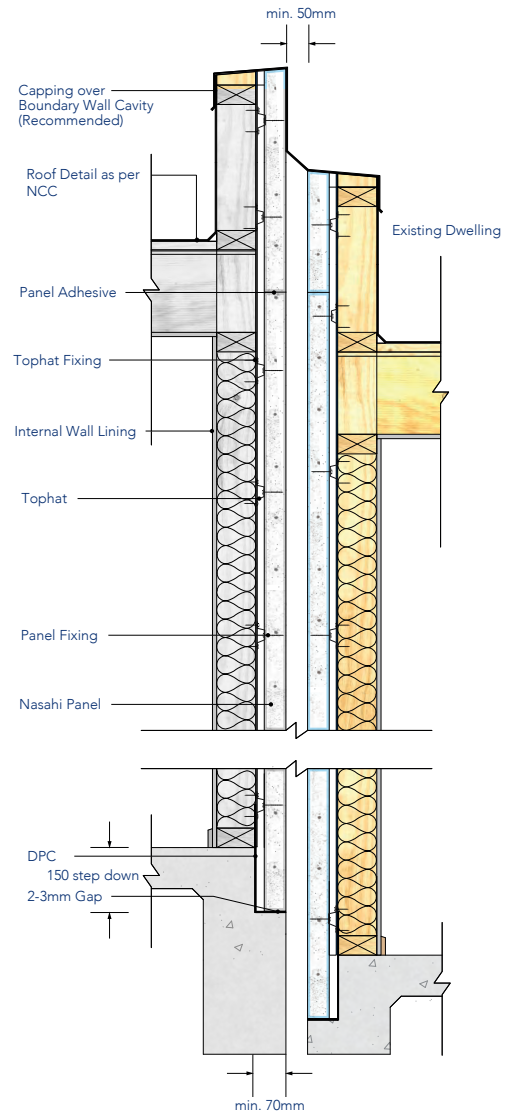
PRODUCT SIZE	50mm 62mm 75mm
PANEL WEIGHT	45kg 54kg 65kg (650kg/m ³)
FIRE RESISTANCE LEVEL (FRL)	120/120/120
ACOUSTIC RATING	RW+Ctr 43

THERMAL RATING	R2 - R4
WALL THICKNESS	136-200mm
BAL CATEGORY	All BAL Categories
WIND ZONE	N1-N6

DETAIL 13.1 - Boundary Wall Detail (Even Slab)

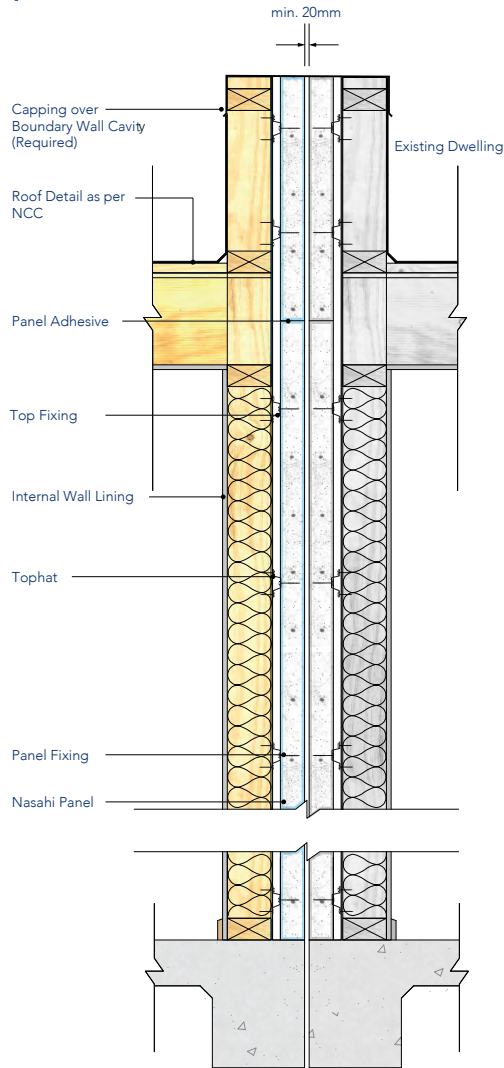


DETAIL 13.2 - Boundary Wall Detail (Uneven Slab)

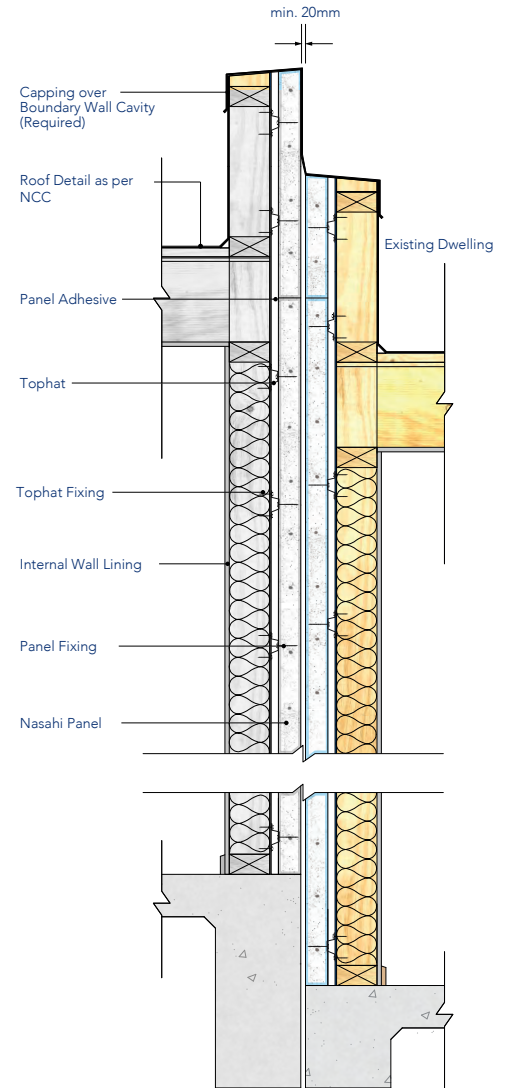


Boundary Wall System

DETAIL 13.3 - Boundary Wall Detail
(Even Slab, Without Slab Rebate)



DETAIL 13.4 - Boundary Wall Detail
(Uneven Slab, Without Slab Rebate)

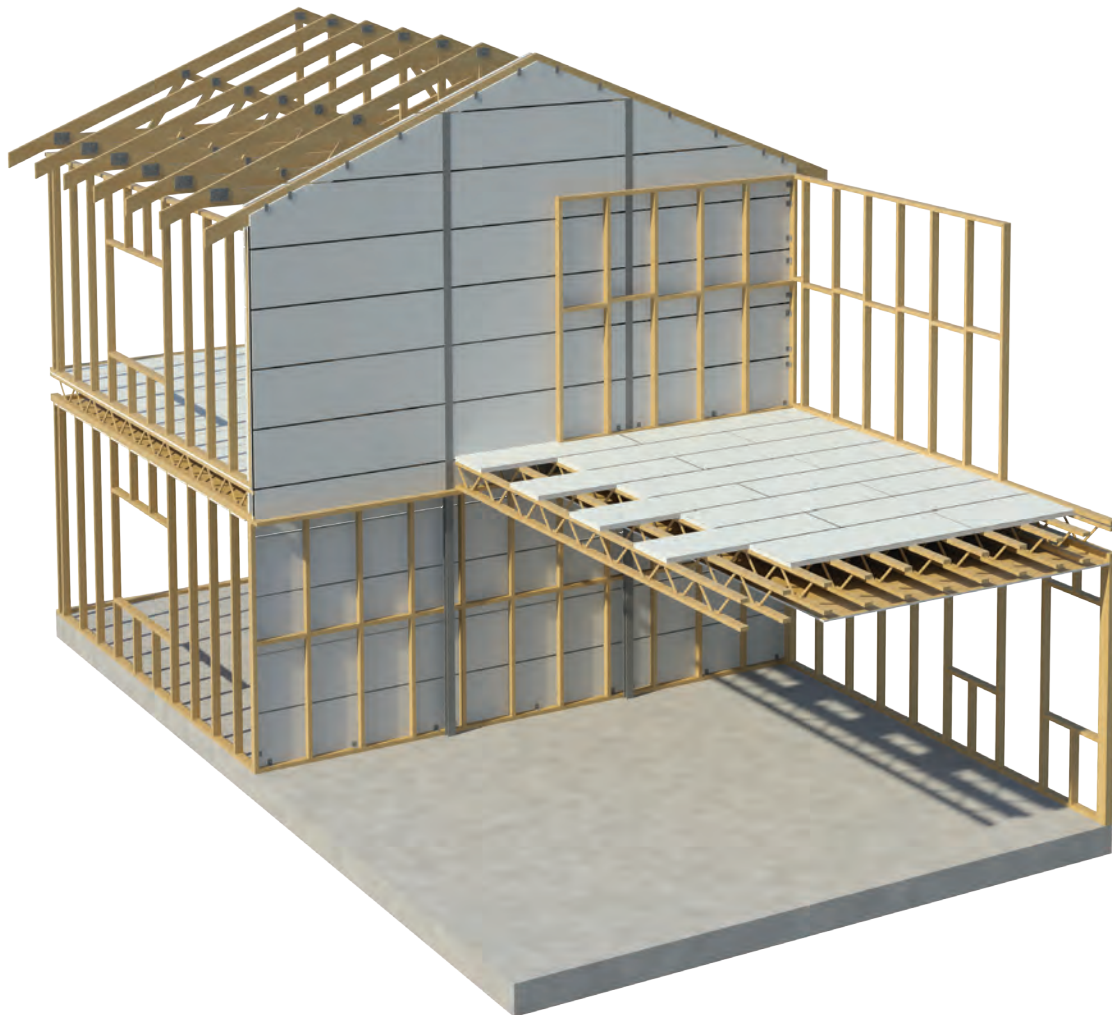


Party Walls



Party Wall System

PRODUCT SIZE	50mm
PANEL WEIGHT	45kg (650kg/m ³)
FIRE RESISTANCE LEVEL	(FRL) 60/60/60 & 90/90/90
ACOUSTIC RATING	Rw + Ctr 50+
WALL THICKNESS	230-310mm
INSULATION	Min R2.0
PLASTERBOARD	Min 10mm

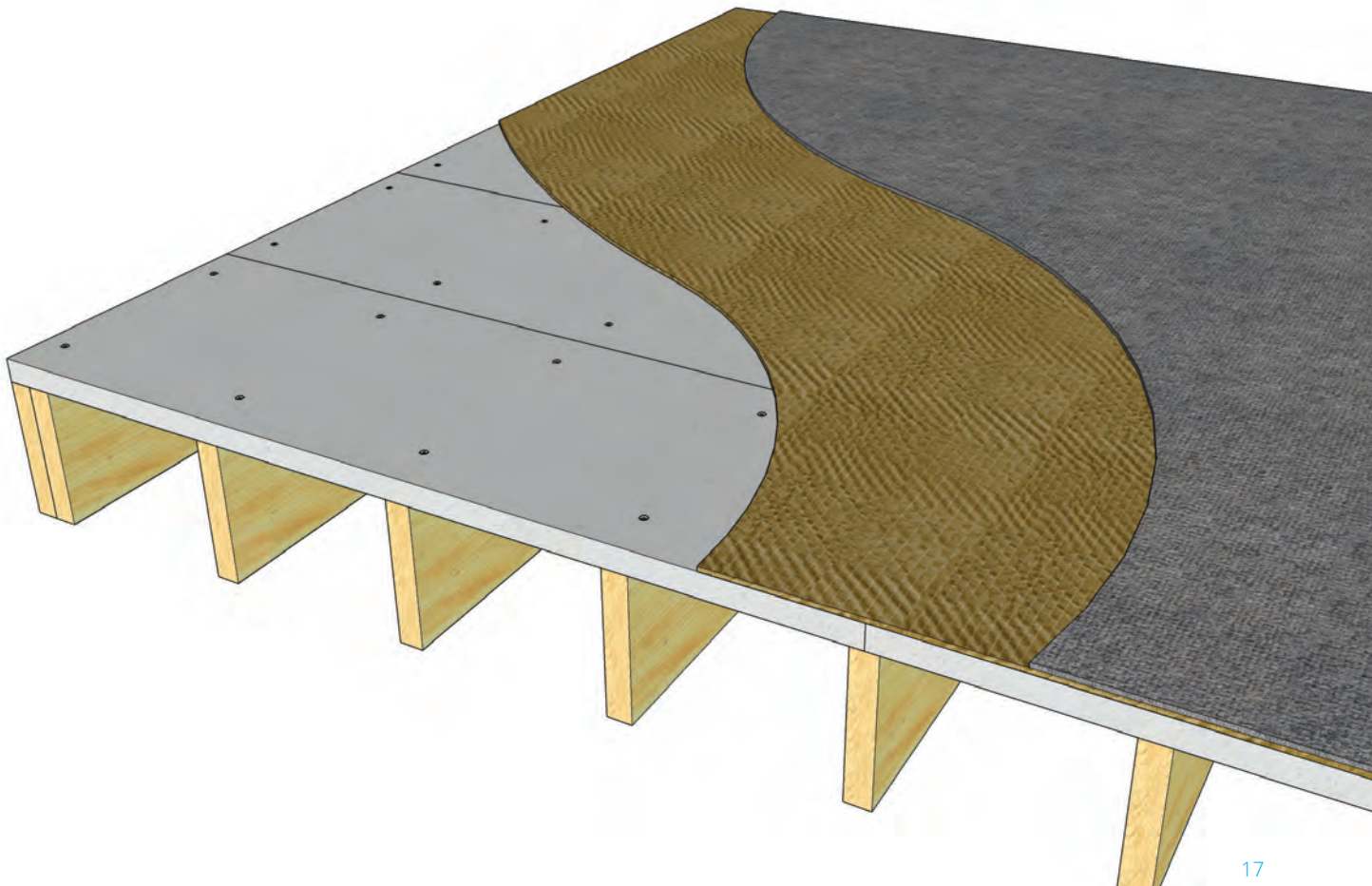



Flooring



Flooring System

PRODUCT SIZE	50mm 62mm 75mm
PANEL WEIGHT	45kg 54kg 65kg (650kg/m ³)
FIRE RESISTANCE LEVEL	(FRL) 120/120/120
ACOUSTIC RATING	RW+Ctr 42db - 60db
THERMAL RATING	R1.6 - R4.0
STRUCTURAL PERFORMANCE	Up to 2.0kPa for 50 & 62mm Panel Up to 3.0kPa for 75mm Panel
BAL CATEGORY	All BAL Categories





“Nasahi® have developed residential and commercial systems which exceed the requirements of the NCC. Their standards for testing and certification give us confidence when certifying projects.”

Nathan K
Building Surveyor



CODEMARK™

CMA-CM40172

NASAHI® HAS BEEN EXTENSIVELY TESTED AND THE SYSTEM HAS BEEN ACCREDITED FOR COMPLIANCE WITH THE NATIONAL CONSTRUCTION CODE FOR CODEMARK CERTIFICATION.



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