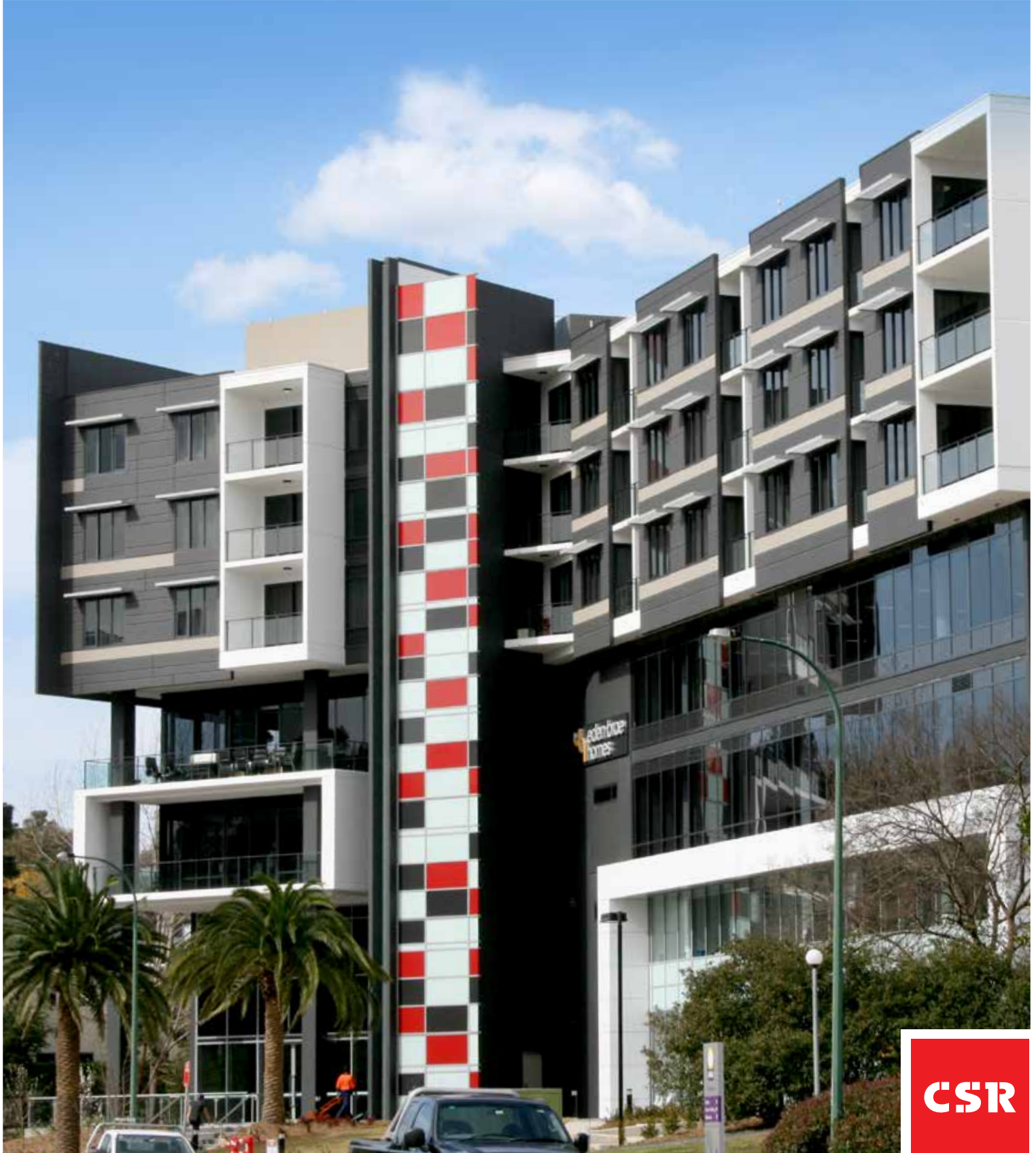


APARTMENTS

BUILDING SOLUTIONS FOR APARTMENTS



CSR

BRINGING TOGETHER THE BEST SOLUTIONS FOR APARTMENT PROJECTS

CSR brings together Australia's leading portfolio of building products brands. Our brands are among the most trusted and recognised businesses in providing products and services to support our customers across residential and non-residential construction.

Each of our brands is different, yet they share the company's vision and values with the common goal being the provision of reliable and trusted products and services. For our customers, this means that we continuously strive to provide certainty of quality, delivery and integrity in everything that we do.

CSR continues to grow through product and service enhancement and development of new products, brands and services so our customers can continue to rely on CSR's renowned quality.

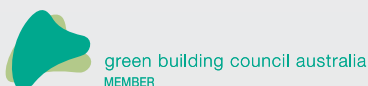
Adding Value

CSR's objective is to add value in 4 key areas:

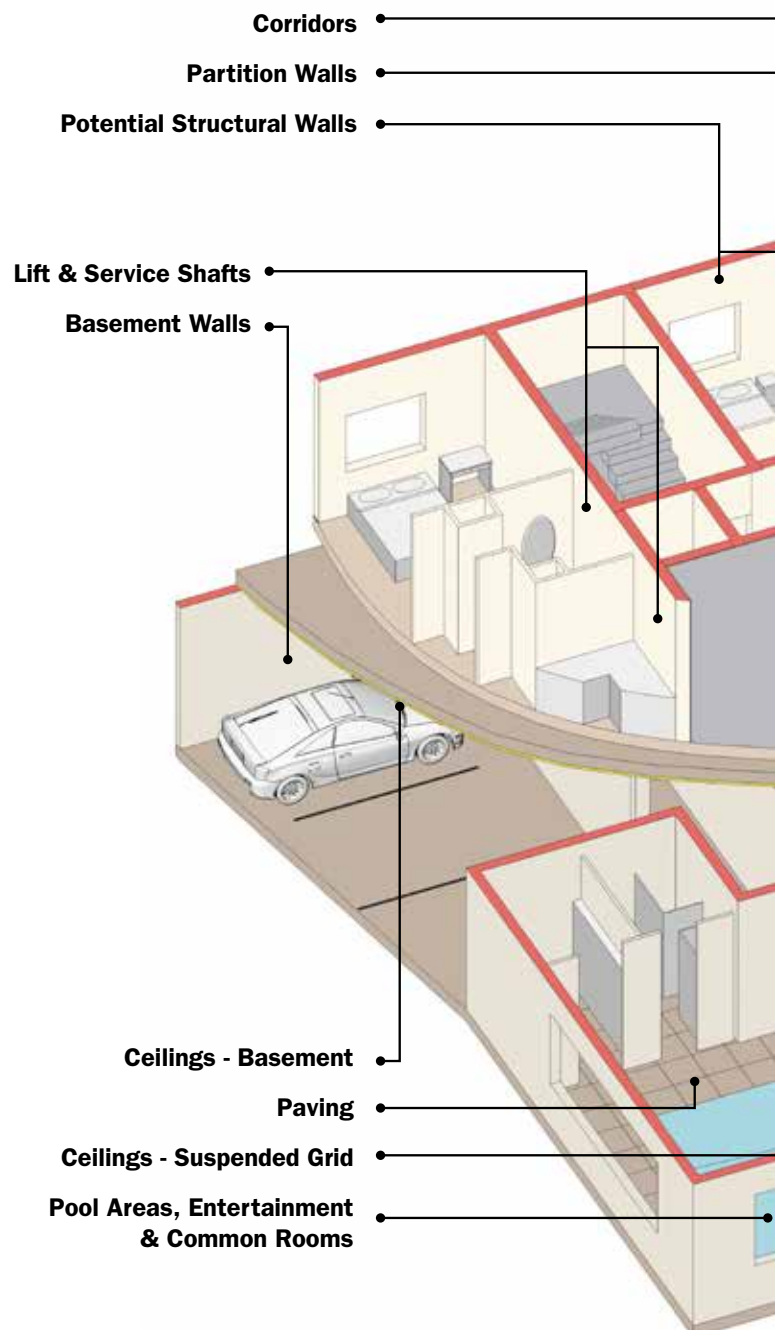
- Reduce construction time using innovative building systems
- More efficient compliance through the development of tested integrated systems to meet a wide range of requirements including:
 - Thermal
 - Fire
 - Acoustics
 - Environmental and Green Star Ratings
- Streamline construction programming using accredited installers for many CSR systems
- Reduce project risk through proven & supported systems - CSR stands for "Certainty Built In"

Sustainability

CSR is committed to sustainability. From our range of energy saving products and systems to our passion for reducing energy and waste in manufacturing, our commitment to sustainability in the built environment is inherent in everything we do.



AFS LOGICWALL™ installation



GYPROCK
Everything else is just plasterboard

Bradford
for smarter environments

cemintel
CREATE AND CONSTRUCT

hebel
The better way to build

MONIER
Top Cat in Roofing

Ceilector
Ceiling Solutions

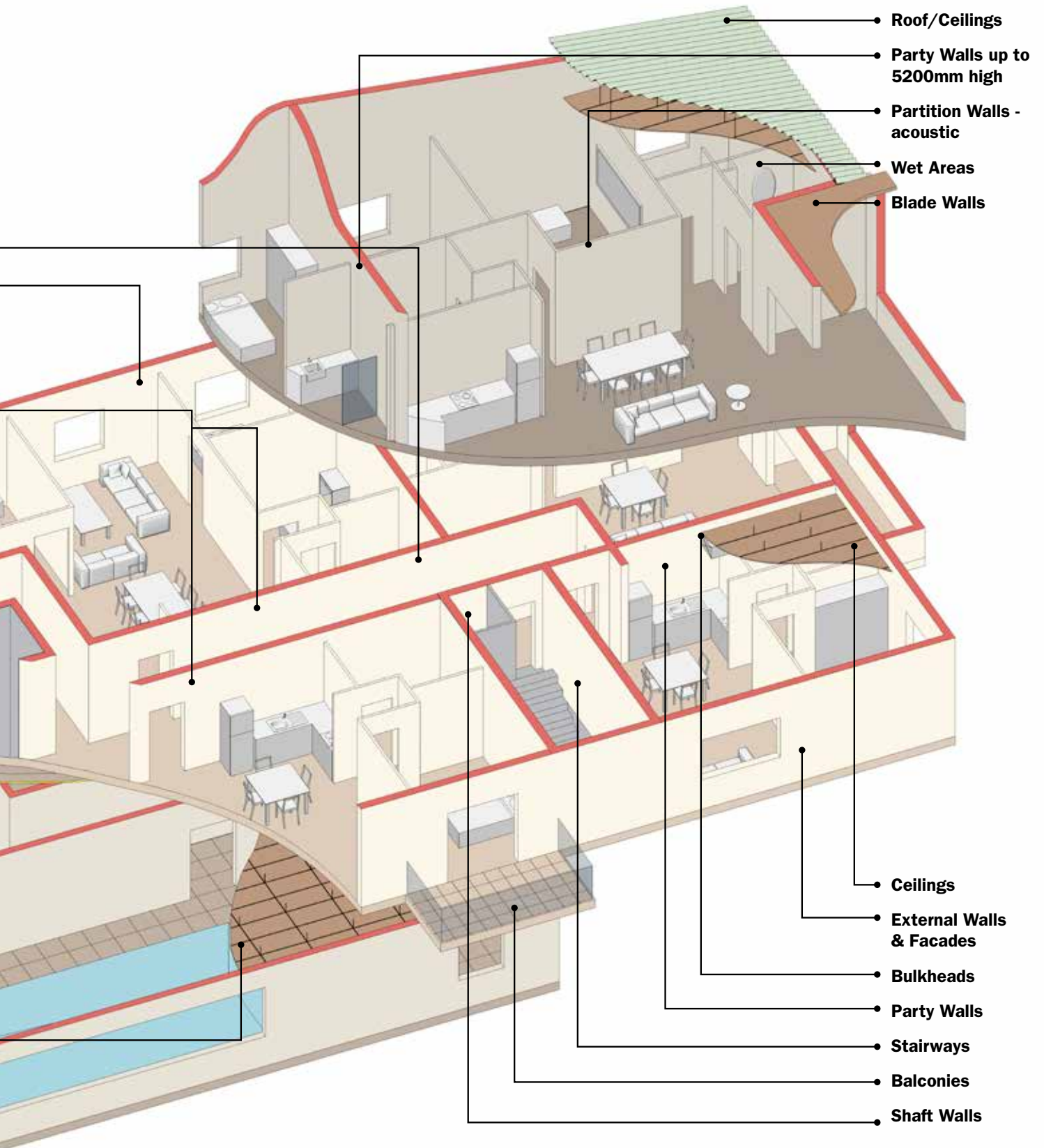
Viridian
New World Glass

PGH BRICKS & PAVERS

EDMONDS
Technologies for a Sustainable Future

martini
Renovation for Better Spaces

AFS we put you in front
WALLING SOLUTIONS









DESIGN SOLUTIONS

CSR Building Materials offers a wide range of building systems to meet a variety of high rise apartment design challenges. These systems combine products from across our portfolio to provide a tested and proven system backed by CSR's unparalleled technical support.



External Facades





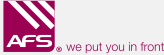


CSR has a wide range of high performance masonry and lightweight façade solutions combining aesthetics with thermal and fire performance.

BRAND	FEATURES
 <p>The better way to build</p>	<p>Hebel® Pressure Equalised Façade is a lightweight panel system offering ease of installation and thermal performance to meet Section J with minimum risk of weatherproofing issues. Panels come in a range of monolithic and decorative options including Accent PowerPanel which offers complete design freedom with customised panels that combine routed designs and coloured accents.</p>
	<p>Our exciting ranges of faced bricks combine exceptional beauty with excellent acoustic, thermal and fire properties, while minimising the cost of future maintenance.</p>
 <p>CREATE AND CONSTRUCT</p>	<p>CeminSeal BareStone™ is a pre-finished panel offering a raw cement look. It utilises the ExpressWall™ framing system, for the latest in façade design with fast, simple installation.</p> <p>Commercial Rendaline™ incorporates the advantages of lightweight construction with a flush jointed texture coat finish.</p>
 <p>New World Glass</p>	<p>A full range of engineered glass solutions offering superior insulation and improved solar control, helping reduce artificial heating and cooling requirements and that assists in meeting energy efficiency requirements.</p> <p>Safety glass for balustrades and pool fences, compliant with the current edition of AS2208 and installed in compliance with the current edition of AS1288.</p>
 <p>for smarter environments</p>	<p>Curtain Wall Batts are used to retard the progress of fire between floors of multi-storey buildings.</p> <p>A full range of insulation products to ensure façade systems meet Section J Energy Efficiency requirements</p>
 <p>we put you in front</p>	<p>AFS LOGICWALL® is a permanent formwork system for concrete external walls. It consists of lightweight sandwich panels of fibre cement sheets bonded to galvanised steel stud frames. The panels are quickly and simply hand erected on site and then core-filled with concrete to achieve fire and sound rated loadbearing walls ready for a variety of render and paint finishes.</p>



Party Walls / Corridors







Intertenancy walls must meet high performance levels for acoustics and fire separation. Corridors have additional impact and scuff resistance requirements.

BRAND	FEATURES
	The excellent acoustic and fire characteristics of bricks provide privacy, strength and load bearing fire resistance.
	Featuring 75mm PowerPanel, Hebel® offers a range of high performance party wall systems for both dry and wet applications
	The Gyprock® StrataWall systems include Shaft Liner panels to provide high levels of performance with minimum footprint. Gyprock® steel framed Security Walls are constructed with profiled sheet panels in lieu of stud for use in secure areas such as penthouses. Can be used at wall heights of up to 5.2m Fyrchek™ for use in wall and ceiling systems where fire resistance is to be achieved.
	Acoustigard high density glasswool insulation provides enhanced acoustic performance in party wall systems. FireSeal™ Party Wall Batts are designed for installation between the top of a party wall and the roofing membrane to prevent spread of fire.
	LOGICWALL® concrete filled fibre cement wall solutions offer durability, security and quality and meet BCA fire and acoustic requirements at minimum thickness.
	Ceminseal™ Wallboard offers superior impact resistance for medium to high traffic areas.
	Polymax Prime™ high performance acoustic and thermal polyester insulation for party walls



Partition Walls



Special consideration may be required for internal partitions such as a high level of acoustic performance or high wall heights for ground floors and penthouses.

BRAND	FEATURES
	Featuring steel reinforced 75mm PowerPanel, Hebel® offers a solid, acoustically superior system that is simple to install by masonry or plasterboard trades
	The excellent acoustic characteristics of bricks provide privacy and strength in partition applications
	EC08™ plasterboard features a higher recycled content and can contribute to additional Green Star points. Gyprock® Soundchek™ high density plasterboard for superior sound attenuation.
	Acoustigard high density glasswool insulation to provide enhanced acoustic performance in lightweight partition wall systems.
	The VLam™ range of laminated glass is popular for screening and privacy and includes VLam™ Hush with a specially developed interlayer to reduce noise.
	Polymax Prime™ high performance acoustic and thermal polyester insulation for partition walls



Wet Areas





A wet area is defined by the standard as an area within a building supplied with water from a water supply system, including bathrooms, showers, laundries and toilets, but excluding kitchens, bars and similar.

BRAND	FEATURES
	CeminSeal™ Wallboard features embedded micro waterblock technology to prevent water penetration and provide a more stable sheet in wet areas.
	VTough™ grade A safety glass is suitable for shower screens, while the Seraphic™ range of ceramic screen printed safety glass is ideal for wet areas. Offering high light reflection, DecorMirror Safe has the added benefit of being a safety mirror with high corrosion resistance.



Ceilings




CSR offers a wide range of ceiling systems, including a number of products specifically developed for use in high rise environments.

BRAND	FEATURES
	Supaceil™ 10mm thick plasterboard designed to span up to 600mm in ceiling applications.
	A range of mineral fibre tiles for suspended ceilings high in recycled content with excellent acoustics and light reflection properties to suit a range of applications. Ecophon ceiling tiles feature a bonded glasswool core for increased acoustic performance and are available in a variety of edge finishes.
	Glasswool ceiling overlay insulation is designed to provide both thermal and acoustic insulation above lay in ceiling tiles.
	Polymax Thermal Batts, manufactured with recycled polyester, provide thermal and acoustic insulation above ceilings.



Roofs




Roof systems are major contributors to the overall thermal performance of high rise apartments.

BRAND	FEATURES
	The mass of concrete roof tiles provides excellent thermal and acoustic performance. Monier™ offers a wide range of colours and profiles to enhance the building design.
	Anticon™ Roofing Blanket combines insulation and a condensation barrier for use under metal roofs. Also provides excellent dampening of rain noise. Roof spacers systems to ensure insulation recovery to design thickness in accordance with Section J requirements. Suitable for use in cyclone areas.
	Hurricane high capacity unpowered roof ventilation. The EcoPower powered vent features optional electronic control by a range of possible inputs such as humidity, temperature, gas concentrations.



Floors







The BCA includes thermal performance requirements for suspended floors below conditioned spaces.

BRAND	FEATURES
	PowerFloor™ steel reinforced AAC floor panels that combine the feel of an in-situ concrete floor at a quarter of the weight. Like all Hebel® systems, PowerFloor™ offers inherently good fire, thermal and acoustic properties.
	Glasswool Underslab blanket insulation with a range of acoustic and aesthetic facings for use in exposed under slab applications.
	PIR Soffit underslab lining is a rigid thermal insulation board with paintable embossed aluminium foil facing which provides high fire resistance to comply with AS 3837 for exposed surface linings.



Stairway and Fire Isolated Passages





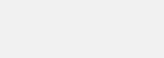




Stairways and fire isolated passages require a degree of resistance to damage and therefore impact and wear-resistant wall systems should be considered. Fire resistance may also be required in some applications.

BRAND	FEATURES
 AFS we put you in front	LOGICWALL® is a cost effective solution ideal for installing stair reo-connecting bars into hollow panels prior to core filling.
 GYPROCK® Everything else is just plasterboard	Fyrchek™ for use in wall and ceiling systems where fire resistance is to be achieved.
 cemintel CREATE AND CONSTRUCT	Ceminseal™ Wallboard provides superior impact resistance for medium to high traffic areas.
 PGH BRICKS & PAVERS	Bricks offer excellent structural and fire properties for load bearing, fire rated walls.
 Bradford™ for smarter environments	Rockwool FireSeal™ fire resistant insulation for use in wall penetrations and between floors in multi level buildings.
 hebel The better way to build	PowerPanel fire rated panels with superior thermal and acoustic performance that can be man handled into position for fast installation




Services, Service Shafts and Plant Rooms

There are NCC requirements for thermal performance of HVAC and service piping. Fire requirements also exist for plant rooms with certain emergency equipment adjoining other areas, and for service risers.

BRAND	FEATURES
 GYPROCK® Everything else is just plasterboard	ShaftWall systems comprise 215mm thick Gyprock® Shaft Liner Panels and 16mm Gyprock® Fyrchek™ supported by a frame of galvanized steel tracks and C-H studs. Designed predominantly for installation from one side only.
 hebel The better way to build	Fire rated PowerPanel offers superior thermal and acoustic performance and can easily handled to speed up installation.
 cemintel CREATE AND CONSTRUCT	Cemintel™ ExpressWall™ panel cladding on top hat framing system for ease of installation - ideal for roof top plant and lift motor rooms.
 Bradford™ for smarter environments	Acoustilag loaded vinyl-faced glasswool blanket for reducing noise from service piping.
	EnviroDuct Internal and external HVAC insulation provides superior thermal performance with a range of specialty facings to meet acoustic and hygiene requirements.
 Bradford™ for smarter environments	FireSeal Damper Strip is designed for installation in the gap between a fire damper and the fire rated building section in which the damper is mounted.
	Hurricane and EcoPower range of ventilation products designed to provide maximum control over air quality and thermal performance.
 EDMONDS Technologies for a Sustainable Future	Hurricane and EcoPower range of ventilation products designed to provide maximum control over air quality and thermal performance.
 PGH BRICKS & PAVERS	PGH™ Bricks offer excellent fire resistance for load bearing walls.
 AFS we put you in front	REDIWALL® polymer-based permanent formwork system for concrete walls. The extruded components slide and interconnect together to create a concrete formwork, erected with maximum efficiency and achieving an attractive, low-maintenance wall surface ideal for service areas.
 martini SUSTAINABLE CONSTRUCTION	Polymax HVAC™ polyester insulation for lining rigid air conditioning ducting for sound absorption and external duct lagging for thermal resistance.

Basement Walls

Basement walling systems focused on maximising floorspace, structural support and resistance to moisture.

BRAND	FEATURES
 AFS we put you in front	REDIWALL® polymer-based permanent formwork system for concrete walls. The extruded components slide and interconnect together to create a concrete formwork, erected with maximum efficiency and achieving an attractive, low-maintenance wall surface ideal for basements.



AFS REDIWALL™ basement installation

For more information on CSR's range of building products call 1800 633 826.



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gyprock.com.au



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bradfordinsulation.com.au



The better way to build
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Somersby
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hebelaustralia.com.au



Top Cat in Roofing
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North Ryde
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monier.com.au



Ceiling Solutions
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1300 374 253
csrfricker.com.au



New World Glass
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CSR Guarantee

CSR Building Products guarantees its products to be free of defects in materials and manufacture.

If a CSR product does not meet our standard, we will, at our option, replace or repair it, supply an equivalent product, or pay for doing one of these.

CSR recommends that only products, components and systems recommended by it be used. If this is not done, CSR will need to be satisfied that any defect in its product is attributable to our failure to meet our standard (and not another cause) before this guarantee applies.

This guarantee excludes all other guarantees and liability for damage or loss in connection with defects in CSR's products, other than those imposed by legislation.

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