

RESIDENTIAL

Building Solutions for Detached Residential Homes



CSR

BRINGING TOGETHER THE BEST SOLUTIONS FOR DETACHED RESIDENTIAL HOMES

CSR brings together Australia's leading portfolio of building products. Our brands are among the most trusted and recognised businesses 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 of providing quality, reliability and integrity in everything that we do.

CSR continues to grow through development of new products and services and by improving our knowledge of building products and construction systems. Knowledge you can build on.

Adding Value

CSR is committed to providing more than just a building product. We invest in research & development to drive innovation in the industry across four broad areas:

Reduced building weight - substituting heavyweight masonry with lightweight integrated systems to improve the speed of construction.

Improved building performance efficiencies through the development of tested integrated systems to meet a wide range of requirements including:

- Thermal
- Fire
- Acoustics
- Condensation
- Energy efficiency and sustainability

Streamlined construction programming using accredited installers for many CSR systems supported by innovative delivery and communication technologies.

Reduced project risk through better understanding of products, supported systems and customer service - Knowledge you can build on.

Sustainability

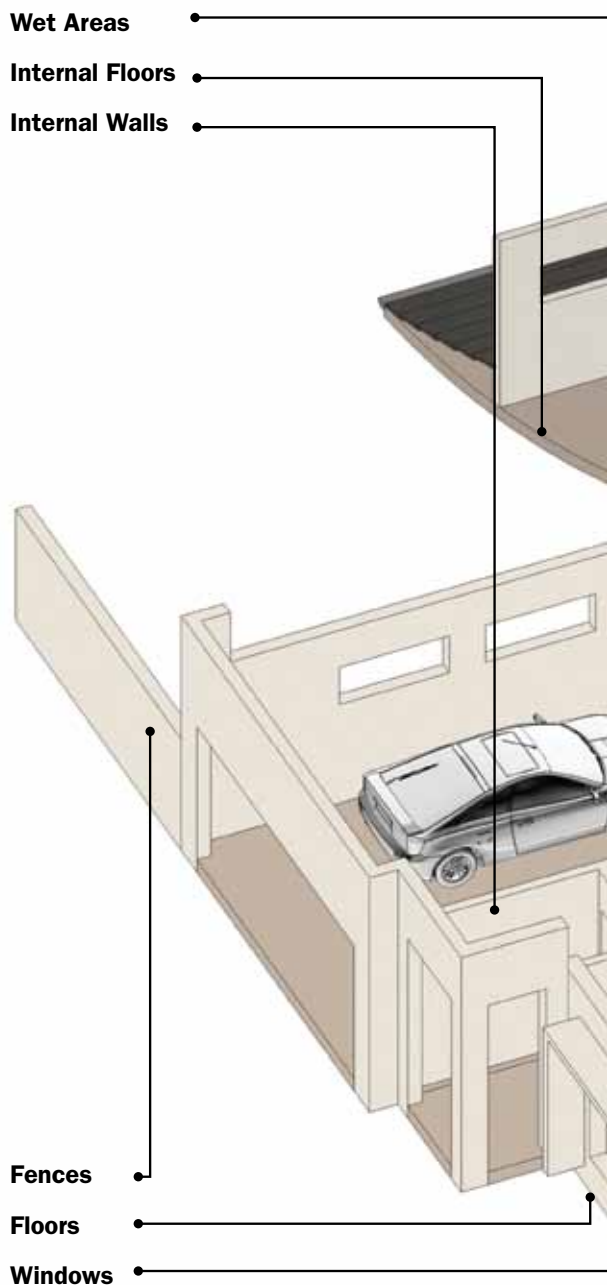
CSR is committed to sustainability, from our range of energy saving products and systems to our passion for reducing energy and waste in manufacturing, our commitment to sustainability in the built environment is inherent in everything we do.

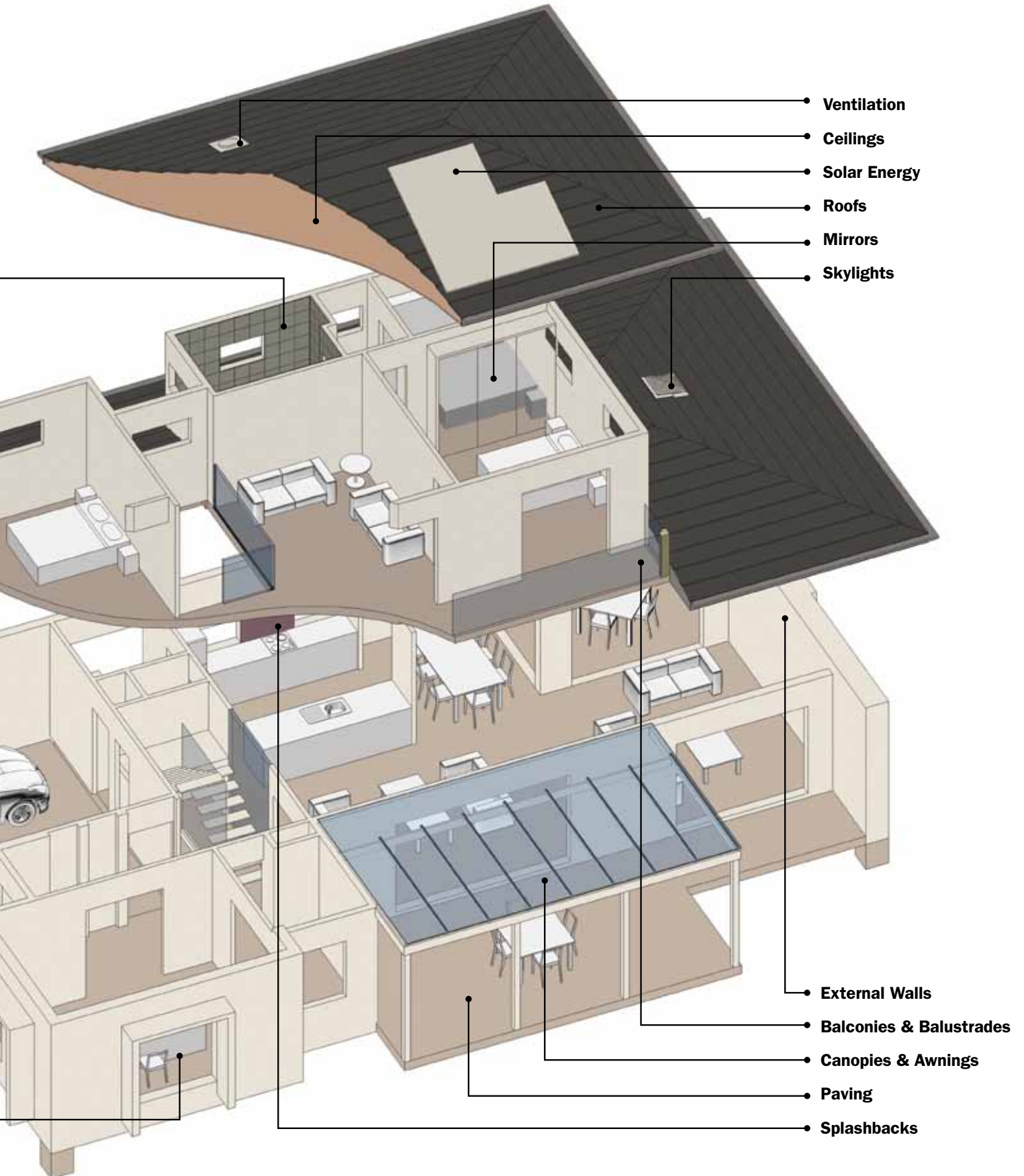


green building council australia
MEMBER



GreenSmart[®]
HOUSE





• Ventilation

• Ceilings

• Solar Energy

• Roofs

• Mirrors

• Skylights

• External Walls

• Balconies & Balustrades

• Canopies & Awnings

• Paving

• Splashbacks

CSR HOUSE

Our commitment to improving our knowledge of high performance building systems and sustainability is demonstrated in the CSR House. The house has been recently built by the CSR Innovation team to provide a tangible experience of how CSR products and systems can be used to provide high levels of cost effective energy efficiency and comfort in homes.

CSR House achieves an 8 Star rating. Houses with an 8 Star rating typically require around 75% less heating and cooling energy than the average Australian home*.

The CSR House itself represents an average sized Australian new home of around 250 square metres, including three to four bedrooms, three bathrooms, a double garage and open plan living and study area.

Throughout the project, CSR has gained knowledge of the construction process and researched opportunities to improve the design and specification process and how products and systems can come together more innovatively and efficiently.

In collaboration with leading building research institutions CSR House has been established as an ongoing facility for investigation of the innovative building products and their contribution to achieving higher levels of building performance at affordable costs.

CSR House is the embodiment of “Knowledge you can build on”.

You can follow the CSR House journey at <http://www.youtube.com/user/csrhouseproject>.

*NatHERS Starbands climate zone 2B. Average Australian home based on CSR research



Highly Commended
Greensmart Awards 2012



DESIGN SOLUTIONS

CSR Building Materials offers a wide range of masonry and lightweight systems to meet a variety of residential design challenges.

These systems combine products from across our portfolio to provide a tested and proven system backed by CSR's unparalleled technical support.

Online tools are available from a number of CSR brands including Monier™ roof tiles, PGH™ bricks and Cemintel™ cladding systems.







Go to the 'Product Solutions' tab on our home page at csr.com.au or visit any of our brand websites.

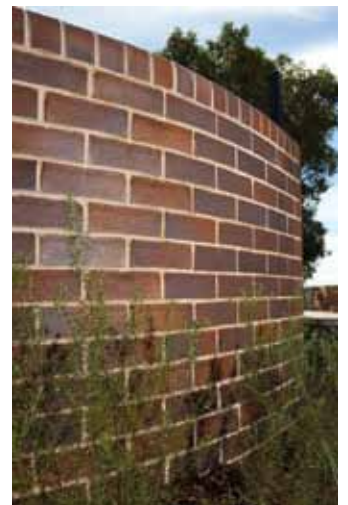




Exterior Walls







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

BRAND	PRODUCT	FEATURES
 PGH BRICKS & PAVERS	Bricks	Our range of bricks offers a wide choice of colours and textures from traditional Sandstocks to our metallic Alchemy collection and stunning glazed Vibrant range to create the perfect look for any home.
 hebel The better way to build	AAC blocks and panels	A home constructed with Hebel® blocks or panels combines a contemporary and aspirational rendered exterior with the comfort, environmental and acoustic benefits of Hebel®. Hebel® can also be machined to provide unique design features to individualise any exterior wall. Finally Hebel Powerpanel™ provides a cost effective solution for boundary walls where higher fire and acoustic performance is required
 cemintel CREATE AND CONSTRUCT	Lightweight cladding systems	The Cemintel™ range of lightweight cladding systems provides incredible design flexibility from timeless weatherboards to the ultra modern Express Wall™ and Designer Series™.
 Viridian New World Glass	High performance glass systems	Viridian™ glass not only adds natural beauty, it can substantially improve a home's energy efficiency, reduce noise and help protect your family. Viridian StormGuard™ laminated safety glass is even suitable for use in cyclone prone areas.
 Bradford™ for smarter environments	Insulation	A full range of insulation products to ensure façade systems meet and exceed energy efficiency regulations and help reduce ongoing heating and cooling costs.
 Bradford™ for smarter environments	Building membranes	Bradford EnviroSeal™ wall wraps help weatherproof homes while allowing work to continue inside even before the exterior cladding is installed.



Roofs






Roof systems are major contributors to the overall look and thermal performance of homes.

BRAND	PRODUCT	FEATURES
	Concrete tiles	Monier™ offers a wide range of profiles, including our ultra smooth Horizon, to enhance any home design. All feature Cat Colour technology for deeper, richer longer lasting colour.
	Terracotta tiles	Classic and contemporary profiles with our 50 year performance and colour guarantee for lifetime beauty.
	Anticon™ roofing blanket	Combined insulation and condensation barrier for metal roofs Bradford Anticon™ provides excellent dampening of rain noise.
	EnviroSeal™ roof sarking	Bradford EnviroSeal™ roof sarking helps keep out wind rain and dust from the roof space and enhance the home's energy efficiency. EnviroSeal™ Roof Tile Safety even provides added protection in the event of tile damage by hail.
	Roof ventilation	Edmonds™ roof vents exhaust hot air and moisture from your roof space to protect the structure and improve the comfort of the home. Edmonds™ AiroMatic powered roof vent uses thermostat controlled inverter technology to work harder when temperatures are higher.
	Skylights	A range of glass types suitable for use in overhead skylights offering access to abundant natural light with superior energy efficiency.



Floors







The BCA/NCC includes thermal performance requirements for suspended floors in houses. Floors between storeys can be major transmitters of noise within a home.

BRAND	PRODUCT	FEATURES
	PowerFloor™	Lightweight floor panels delivering the feel of a concrete slab over conventional timber or steel joists. Moreover Hebel Powerfloor™ improves thermal and fire resistance over conventional particleboard systems. Ideal for suspended floors and floors between storeys.
	Under floor insulation	Bradford Optimo™ is specifically designed for under suspended timber floors to improve thermal performance and reduce draughts. Bradford SoundScreen™ installed between storeys helps reduce sound transfers within the home.
	DecorFloor™	Pre-engineered flooring and stair solutions for decorative interior features in quality homes.
	Sub floor ventilation	Edmonds™ EcoFAN exhausts stale, damp air from under suspended floors to help reduce the risk of mould, rot and termites.
	Constructafloor	Cemintel™ Constructafloor is a lightweight fibre cement flooring product that is quick and easy to install. Two sheet types, interior and exterior, give you the protection you need against moisture damage for all floors.



Internal Walls





CSR systems can help improve the acoustic performance of internal walls and reduce wear and tear for long lasting comfort.

BRAND	PRODUCT	FEATURES
 Everything else is just plasterboard	Plasterboard	The Gyprock™ range of plasterboard and jointing compounds includes all you need to create the perfect finish. Gyprock Superchek™ features enhanced acoustic performance and impact resistance for a premium home.
 CREATE AND CONSTRUCT	Designer Series™	The unique look of Designer Series™ is perfect for creating textural feature walls in your home.
 CREATE AND CONSTRUCT	CeminSeal™ Wallboard	CeminSeal™ Wallboard is ideal for corridors and garages in fact any areas of the home where extra impact resistance is required.
 for smarter environments	New Generation SoundScreen™	Bradford New Generation SoundScreen™ in internal walls helps reduce sound transfers in the home. Perfect for use around master bedrooms, ensuites, home theatres, studies and laundries.
	Bricks	Brick walls add a solid feel to a home and are great as feature walls to make a strong design statement.
 New World Glass	Décor range	A wide range of patterned and coloured glass ideal for partitions, features and lifting natural light levels through the home. Viridian™ glass offers a straightforward way to create an unparalleled sense of luxury and design appeal.



Ceilings






Important for both thermal and acoustic comfort as well as the overall look of the home.

BRAND	PRODUCT	FEATURES
 Everything else is just plasterboard	Supacell™	The Gyprock™ range of plasterboard and jointing compounds includes all you need to create the perfect finish. Gyprock Supacell™ has been specially developed to provide a flat surface when spanning 600mm joist centres.
 Everything else is just plasterboard	Cornice	The range of Gyprock™ cornices are designed to compliment a variety of styles from traditional to contemporary, and to enhance the appearance of any room.
 for smarter environments	Gold™ insulation	The Bradford Gold™ range of ceiling insulation allows you to easily meet the building code energy efficiency requirements. For even greater comfort and energy savings choose Bradford Gold™ High Performance.
 Technologies for a Sustainable Future	Ventilation	Edmonds™ WhirlyMate closeable ceiling grille connected to a roof vent allows you to ventilate specific rooms of a home.



Wet Areas






The control of moisture is extremely important for protection of the building structure. CSR offer a range of solutions for walls and floors and even the shower screens and mirrors.

BRAND	PRODUCT	FEATURES
	CeminSeal™ Wallboard	CeminSeal™ Wallboard's embedded micro waterblock technology prevents water penetration providing a more stable sheet in wet areas.
	Compressed	Cemintel™ Compressed Sheet can be fixed directly to structural framing to form a strong and water resistant flooring substrate for all domestic wet area applications.
	Aquachek™	Gyprock Aquachek™ moisture resistant plasterboard is ideally suited for residential bathrooms, kitchens and laundries.
	Viridian VTough™	VTough™ safety glass is ideal for use in shower enclosures. Our Seraphic™ range combines toughened glass with screen printed ceramic colour or design for creative splashbacks and features.
	DecorMirror™ Safe	Offering high light reflection, DecorMirror™ Safe has the added benefit of being a safety mirror with high corrosion resistance.



Outdoor Living








As outdoor living increases in popularity CSR systems can help you make the most of the outdoor environment.

BRAND	PRODUCT	FEATURES
	Pavers	The PGH™ range of clay pavers offer long lasting style and carefree maintenance in paths, patios and driveways. Our salt safe ranges are suitable for use around pools.
	SoffitLine™	Cemintel SoffitLine™, flush jointed soffit system features CeminSeal™ waterblock technology to prevent water penetration into the sheet.
	Compressed	Cemintel™ Compressed Sheet provides a solid substrate for external decking, both upper and lower storey verandahs, and non saltwater pool surrounds.
	PowerFence™	Hebel PowerFence™ provides the look and feel of a solid masonry fence without having to lay expensive foundations. It comes with Hebel's own steel post system which can easily be erected by any tradesman. Hebel PowerFence™ also has an array of post and cap accessories to add design options plus the fence panels can be cut to size or machined to provide additional design options.
	VTough™ and VLam™	Viridian™ toughened glass is excellent for pool fencing and balconies without visual boundaries. Renew™ self cleaning glass is ideal for canopies and awnings.



Energy Efficiency




Energy efficiency is a core CSR value, not only to meet BCA/NCC minimum standards but also to assist homeowners to lower their energy bills and reduce their carbon footprint.

BRAND	PRODUCT	FEATURES
 Bradford™ for smarter environments	Insulation	A full range of insulation products to ensure roofs, walls and floors meet and exceed energy efficiency regulations and help reduce ongoing heating and cooling costs.
 Bradford™ solar	Solar	Bradford™ Solar systems use high quality components and our network of trusted installers to provide big energy savings you can rely on, all backed by our 25 year product performance guarantee.
 EDMONDS Technologies for a Sustainable Future	Ventilation	Edmonds™ roof vents are a great way to reduce roof space temperatures and take the load off ducted air conditioning systems particularly when the ducting is in the roof space.
 PGH BRICKS & PAVERS	Bricks	Bricks build in thermal mass. a key part of passive design and a proven method of keeping your home at a comfortable temperature all year round.
 hebel The better way to build	Panels	The unique combination of thermal resistance along with thermal mass, make building with Hebel® a smart choice for meeting Australia's stringent building regulations.
 Viridian New World Glass	SmartGlass™	Viridian's award winning SmartGlass™ is so advanced it can help homes achieve up to an extra Star Rating in energy efficiency when compared with ordinary glass.
 MONIER	Solartile	Developed specifically to work seamlessly with Monier's range of flat profiled concrete roof tiles, Monier's Solartile is an integrated photovoltaic panel that combines energy efficiency with good design and aesthetic appeal.



Indoor Environment






Fresh air and light are immensely important to human wellbeing and help discourage mould and pests that can adversely affect the building structure and occupants.

BRAND	PRODUCT	FEATURES
 Viridian New World Glass	Glass and glazing systems	Natural light is an important part of creating a healthy indoor environment. The huge range of options offered by Viridian allows designers to maximise the available light and exploit natural ventilation without compromising on the performance of the building.
 EDMONDS Technologies for a Sustainable Future	Ventilation	Edmonds™ ventilation solutions remove stale and damp air that can compromise health and threaten the building structure and encourage fresh clean air into the living space.
 Bradford™ for smarter environments	Building membranes	Bradford™ building membranes help protect your home from rain, wind and condensation. Our breathable membranes also allow moisture to escape from your home which could otherwise lead to mould and mildew.



Acoustics








Modern home designs encourage more noise within a home. CSR's range of systems helps you create a sanctuary of peace and quiet.

BRAND	PRODUCT	FEATURES
 for smarter environments	SoundScreen™	Australia's most popular acoustic insulation, New Generation SoundScreen™ now provides improved acoustic performance in exterior walls and ceilings and helps reduce noise within the home.
 Everything else is just plasterboard	Superchek™	Gyprock Superchek™ features a denser core which improves sound absorption and reduces noise transfer for a quieter, more comfortable home.
 BRICKS & PAVERS	Bricks	The added density of brick makes it an effective barrier to noise both inside and outside a home.
 The better way to build	PowerFloor™	Lightweight concrete floor panels with excellent acoustic characteristics. Ideally combined with Bradford SoundScreen™ to reduce sound transfer through floors between storeys.
 New World Glass	Hush™ range	Viridian Hush™ is a range of laminated safety glass that uses a specially developed interlayer to dampen noise, providing enhanced sound insulation performance. ComfortHush™ combines acoustic benefits with thermal efficiency and is a solid choice for high density urban environments.



Fire

Bushfire regulations are becoming more stringent for good reason. CSR has invested heavily to develop systems to meet the latest standards and help Australians enjoy living with nature.

BRAND	PRODUCT	FEATURES
 BRICKS & PAVERS	Bricks	PGH™ bricks are non combustible and are an integral part of a fire safe home. Masonry walls significantly reduce the chances of a house being destroyed by bushfire.
 for smarter environments	Insulation	FireSeal™ Bushfire systems are designed to provide protection and meet building regulation in designated bushfire prone zones.
 Everything else is just plasterboard	Fyrchek™	Gyprock Fyrchek™ incorporates a specially reinforced gypsum core in a heavy duty linerboard and is ideal for use in kitchens or as part of a fire rated wall system.
 New World Glass	Pyroguard 40™	Viridian PyroGuard 40™ bushfire resistant glass is a specially processed insulated glass unit suitable for use in glazing systems for BAL 12.5 to BAL 40 bushfire areas.
 MONIER™	Concrete Tiles	Monier™ concrete tiles meet all the requirements of all BAL levels and provide increased resistance to the entry of embers.
 for smarter environments	EnviroSeal™ roof sarking	EnviroSeal™ roof sarking under tiled roofs is essential to meet the requirements of the Victorian bushfire codes.
 The better way to build	Blocks and panels	Hebel® is non combustible and renowned for its highly fire resistant properties. Hebel® block and panel systems meet or exceed the requirements for all six Bushfire Attack Level (BAL) categories.





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



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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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