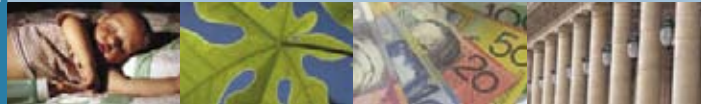
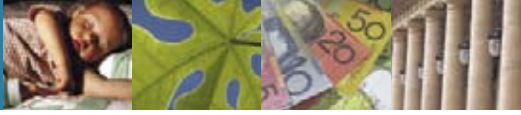


The best investment your money can buy...

BLOCK
WALL SYSTEMS

Designing for Future Living





8 solid Block

CSR Hebel

1 A Solid Home

Solid masonry construction has long been regarded as the 'pinnacle' of home construction methods. Now there is something even better! By harnessing the advanced technology of CSR Hebel Block Wall Systems, and fully exploiting today's wealth of design knowledge, you can extend or renovate an existing home, or build a brand new dream home that easily surpasses the traditional benchmarks for solid masonry construction.

Choose to build with CSR Hebel Block Wall Systems and you can substantially improve the comfort and living qualities of your home, take advantage of cost saving energy strategies, rest-easy with improved sound insulation properties, and maximise the value of the best investment you will ever own ...your very own, 'solid masonry' home.

2 Enviro-Friendly

Building with CSR Hebel Block Wall Systems is also a significant choice for environmental responsibility. No other product offers you such complete comfort whilst minimising environmental impact. The production of CSR Hebel requires considerably less raw materials and resources than the production of other masonry products, it consumes a small fraction of the energy, produces no toxic gases and creates almost no waste substances. By choosing CSR Hebel Block Wall Systems you can create a safe, comfortable and energy saving environment within your home, and be comfortable knowing that your choice has minimised the impact on our living environment.

3 Energy Saving

The unique thermal properties of CSR Hebel Block Wall Systems result in a more stable inside temperature, reducing the energy required to heat and cool your home, and thereby reducing your energy bills. Even in extreme climatic conditions, CSR Hebel Block Wall Systems help to maintain a comfortable temperature within your home. CSR Hebel Block Wall Systems are so efficient that you can choose to include walls that are up to three-and-a-half times more thermally efficient than brick veneer or even double brick construction. Now that's impressive!

4 Solid Silence

We all cherish our privacy, and CSR Hebel Block Wall Systems can offer a lot of help with creating your private haven. You can significantly reduce the noise from room-to-room, and even cater for special facilities such as a 'home theatre'. When installed in appropriately designed systems, CSR Hebel has proven to be a very effective noise barrier. To find the best acoustic solutions for your home using CSR Hebel, please discuss your plans with your building designer.



reasons why it's best to build with Wall Systems

5 Fire & Pest Resistance

CSR Hebel Blocks are non-combustible and are not a food source for termites. Solid CSR Hebel Block Walls are very practical, even in high bushfire or termite prone areas as they eliminate the need for any timber wall framing, thereby eliminating much of the fuel for a fire and food for termites. Solid walls also eliminate any cavity, so there's nowhere for pests, insects, dust or mould to hide. CSR Hebel Block Wall Systems provide excellent fire resistance, and allow you to building right up to your boundary line, so you can also make the most of that valuable inner-city space.



6 A Solid Future

Although CSR Hebel is lightweight – just 25% the weight of conventional concrete – it remains solid and strong. Your home will always provide the reassuring and quality feel of solid masonry walls. Hebel lightweight concrete products also provide long-term durability. Structures which have been correctly installed, finished and maintained have proven their performance throughout Europe for more than 50 years. Today's premium quality coating systems also provide unique character, unlimited design freedom and long-term beauty.

7 Design Freedom

Along with all of the performance advantages, CSR Hebel Block Wall Systems provide absolute freedom to design and build your ultimate dream home – without compromise! CSR Hebel Block Wall Systems are the product of choice for many Australian designers and architects, and have been the primary feature of many award winning designs. CSR Hebel Block Wall Systems open up an infinite palette of colour and texture choices, placing you completely in charge of just how unique your home will be. Being solid yet lightweight and easy to work, CSR Hebel Blocks also lend themselves perfectly to many other applications within a home design, such as stairways and feature walls.



8 A Solid Investment

By choosing CSR Hebel Block Wall Systems for your home, you are choosing to build a premium quality home using a premium quality construction system. You can also feel secure knowing that CSR Hebel is manufactured and backed throughout Australia by CSR. Established in 1855, CSR is now one of Australia's most respected building materials manufacturers, and Australia's second oldest listed company. A quality home built with CSR Hebel Block Wall Systems will not only give you years of enjoyment and pleasure, but will continue to lead the housing market for value and desirability, maximising your investment year after year. When you've finished comparing alternative materials for your home, we're sure you'll agree, it's hard to ignore the advantages of CSR Hebel Block Wall Systems!

Turn imagination...



You're completely in charge!

CSR Hebel Block Wall Systems allow complete freedom to design and personalise your home and lifestyle! Innovative Australian designers and architects continually harness the exceptional qualities of CSR Hebel Block Wall Systems to create comfortable, practical and energy efficient homes, while winning many prestigious awards along the way. No other product offers the construction versatility of CSR Hebel Block Wall Systems and combines it with the exceptional living qualities you can enjoy for a lifetime.

You can also enjoy expressing your creative individuality, since CSR Hebel Block Wall Systems give you total freedom over the texture, colour and special character of your home. So whether your home is in a leafy suburban street, on the beach, or the hub of the city, CSR Hebel Block Wall Systems allow you to have ...whatever you want!

Imagine...

Possibilities...



What is CSR Hebel?

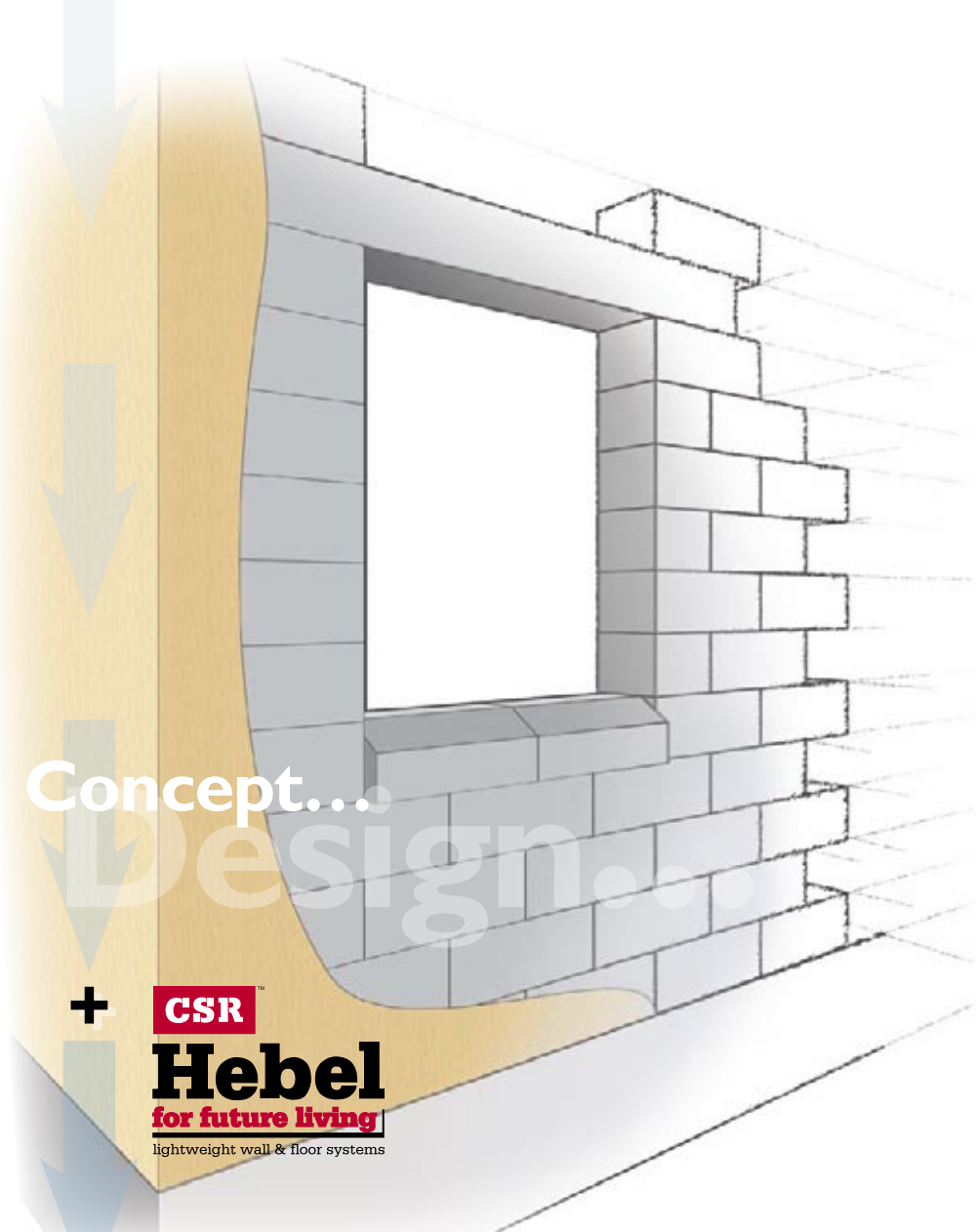
CSR Hebel products are made from a lightweight masonry called Autoclaved Aerated Concrete (AAC). This advanced technology produces extremely small, finely dispersed air pockets within the material. The result is a lightweight aerated concrete which is strong and durable, but only about a quarter the weight of conventional brick or concrete.

Building with CSR Hebel Block Wall Systems?

There's a CSR Hebel Block to suit every wall in your home. You can also eliminate those ugly steel bars over your window and door openings by using CSR Hebel Lintels. You'll need to discuss your options with your building designer, but generally the most popular system for external loadbearing walls (walls that support the roof and/or an upper storey weight) use a single skin of 200mm thickness CSR Hebel blocks. Internal walls are constructed using a single skin of 100mm or 125mm thickness blocks, or 150mm thickness blocks for internal loadbearing walls.

Add the benefits of CSR Hebel Panel Floor Systems?

CSR Hebel Panel Floors are the perfect solution for second storey floors or for a ground floor on elevated foundations. These steel reinforced floor panels range from 150 to 250mm thick and can span up to six metres, so when combined with CSR Hebel Block Walls they completely eliminate the need for timber or steel framing in walls and floors. You end up with all the advantages of solid masonry construction, plus fast construction time and the perfect structure to lay any type of floor covering.



Ecology House - Award Winning 5 Star Energy Efficient Home using CSR Hebel Block Wall System.
Designed by Ecological Architect Gareth Cole - www.garethcole.com

BLOCK
WALL SYSTEMS

...into reality!

CSR Hebel puts you in control...



Climate...

Control...



“Stay
WARM
when
it’s
cold”



“Stay
COOL
when
it’s
hot”

Take control of your environment!

It's easier to build an energy efficient home when you start with the thermal qualities of CSR Hebel Block Wall and Panel Floor Systems. The unique cellular structure of CSR Hebel is working for you from both sides, keeping the heat of summer and the cold of winter outside, while absorbing, retaining and helping to maintain a comfortable temperature within your home. But there is more than one reason why CSR Hebel Systems have been chosen for award winning energy efficient homes. For a start, a

200mm thick external wall built from CSR Hebel Blocks exceeds the current Australian regulatory requirements for thermal efficiency without any additional insulation materials. That's an instant cost saving, and a saving for the environment! Another vital ingredient in thermal efficiency is 'thermal mass'. This is the ability of CSR Hebel to work effectively with your heating and cooling systems, by storing and reradiating a comfortable temperature back into your home. This works most effectively when you render the walls within your home, making them sort of an 'energy bank' which

helps cool your rooms in summer, and warm your rooms in winter. Another important factor in energy efficient design is reducing unwanted air movement through your walls. Hebel Block Wall Systems are very effective here because all the joints between blocks are fully bonded and sealed with adhesive during laying, it's easier to eliminate air leaks around window frames, and the added protection from your chosen external and internal finishes virtually eliminate any possible unwanted air movement. ...There's no other building material that offers so much!

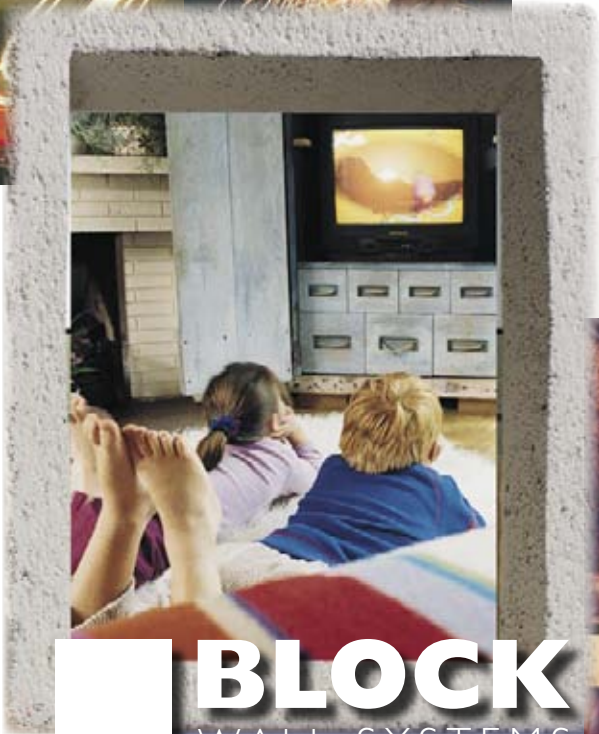
Noise... Control...

**...freedom to express
...freedom to live!**

CSR Hebel Block Wall Systems offer highly effective solutions for reducing unwanted noise from entering your home, and for controlling noise travelling from room-to-room within your home. Not only will you have the satisfaction and security of solid wall construction, you can also gain maximum privacy to enjoy your home. The proof that CSR Hebel Wall Systems are up to the task comes from their success in the highly demanding arena of multi-residential construction. Countless residents of apartments and townhouses live in peace, thanks to the effectiveness of CSR Hebel Acoustic Wall Systems. Please discuss with your building designer, how you can maximise the acoustic benefits from CSR Hebel Wall and Floor Systems throughout your home.



**“exceptional
acoustic
performance
allows you to
enjoy your
home
and your
privacy”**



BLOCK
WALL SYSTEMS



*The Outlook – Award Winning 5 Star Energy Efficient Home using CSR Hebel Block Wall System,
Designed by Ecological Architect Gareth Cole – www.garethcole.com

...of your world!

Working with the environment...

Building today with tomorrow in mind!

Choosing to build with CSR Hebel Block Wall and Panel Floor Systems not only allows you to reduce the energy usage within your home, but also gives you the satisfaction of reducing the long-term impact on other natural resources as well.

The production of CSR Hebel uses only a fraction of the energy required to produce alternative masonry materials, creates virtually no waste substances, and even the steam generated in the process is recycled! Each of these energy savings can help to reduce the burning of fossil fuels, and thereby save important resources for the future.

“uses a fraction of the energy”

And due to the thousands of tiny air bubbles trapped within CSR Hebel, the consumption of raw materials is also dramatically less than is required to produce conventional masonry products. In fact there's a saving of more than 70% when compared to standard concrete or solid clay brick products. That's a huge saving of raw materials, and a big plus for the future of environmentally sustainable development.



Zen House – 5 Star Energy Efficient Home using CSR Hebel Block Wall System. Designed by Ecological Architect Gareth Cole – www.garethcole.com



'Country Life' – 5 Star Energy Efficient Home using CSR Hebel Block Wall System, Designed by Ecological Architect Gareth Cole – www.garethcole.com

“a 70% saving of raw materials”



Premium quality and durability that lasts and lasts!

If you're not yet convinced that CSR Hebel Block Wall and Panel Floor Systems are the right material for your home then there's a few more points you should consider. CSR Hebel Blocks and panels are non-combustible, and come with a fire resistance rating of up to four hours. That's four times the Building Code of Australia (2004) requirement for building right up to your boundary line, giving every opportunity to make the most of a tight inner-city block. By using CSR Hebel Block Wall and Panel Floor Systems you can completely eliminate the need for timber framing in walls and floors.

“no fuel to burn”

This means you eliminate fuel, which is highly desirable and particularly important in bush fire prone areas. You also can relax knowing you have the strength and security of solid masonry

“no food for termites”



CSR Hebel Panel Floor Systems speed construction time and provide an excellent platform for laying all types of floor coverings.

walls and floors as protection, even if you're building in a high bush fire hazard area.

It's also important to note that CSR Hebel is not a food source for termites, and as your walls and floors are solid, there are no cavities to harbour unwanted vermin, mould, dust, cobwebs or other pests. If you're an allergy sufferer or have children, you'll also be pleased to know that CSR Hebel is non-toxic and does not emit any gases.

...an impressive result!

The freedom to design...

Show your personality!

CSR Hebel is an amazingly versatile building material, with a surface finish that also gives you the flexibility to achieve your own creative effects. You can choose from an extensive range of textures and an infinite palette of colours.

'an infinite choice of colour and texture'

External Wall Coatings

To complete your home, your external walls must be coated with an appropriate finish system such as:

- CSR Hebel Render, followed by a quality acrylic coating system, applied to the coating manufacturer's recommendations.
- Or choose from these trusted names in professionally applied high-build acrylic texture coating systems:



Dulux Acra.Tex • Tel: 132 377



Wattyl Granosite® • Tel: 132 101



Swepdri International • Tel: 1300 303 301



Taubmans Armawall • Tel: 131 686



Internal Wall Coatings

For indoor locations such as bathrooms, toilet and the laundry, a suitable wet area coating is applied before fixing of ceramic tiles. For other rooms you can use either

render and paint, or one of the high-build texture coatings systems previously mentioned, or where preferred, fix CSR Gyprock plasterboard and finish with a quality internal paint system.

Variety... the spice of life!

Why not express your imagination with some truly unique features and accessories made from CSR Hebel Blocks. CSR Hebel Blocks are excellent for constructing stairways, BBQ's, fireplaces and feature walls, or they can be cut, drilled, routed, shaped and even sculpted using conventional tools to create whatever you dream up. Separate brochures are available to help with creative ideas and do-it-yourself hints for building unique features for your home using CSR Hebel Blocks.



CSR Hebel Blocks: Length 600mm x Height 200mm x Width (mm) = 50 75 100 125 150 175 200 225 250 275 300



'express yourself'



...whatever you want!

CSR HEBEL MANUFACTURING PLANT
 112 Wisemans Ferry Road
 Somersby NSW 2250
 Fax (02) 4340 3300

Designing for future living

CSR Hebel is an excellent building product backed by CSR Building Products Limited. Further details on engineering and building with Hebel systems are available in the technical manual. To obtain a copy, or for further sales or technical assistance, please contact us:

CSR Hebel Website:
www.hebelaustralia.com.au

For sales enquiries or further information, please telephone us from anywhere in Australia:

1300 369 448



Guarantee

CSR Hebel guarantees the products manufactured by itself and the systems described in CSR Hebel literature for 7 years, subject to the terms and conditions of the CSR Hebel Guarantee which can be inspected on the CSR Hebel website at www.hebelaustralia.com.au. CSR Hebel does not however guarantee the components, products or services, such as installation, supplied by others. CSR recommends that only products, components and systems recommended by it be used.

Health & Safety

Information on any known health risks of our products and how to handle them safely is on their packaging and/or the documentation accompanying them. Additional information is listed in the Material Safety Data Sheet (MSDS). To obtain a copy of a MSDS, telephone 1 800 807 668 or download from www.hebelaustralia.com.au > Product Safety. Contractors are required by law to perform their own risk assessments before undertaking work. CSR Hebel has sample Safe Work Method Statements (SWMS) to assist in this. To obtain a sample SWMS, refer also to the above sources.

Available from: