NAMOI VALLEY BRICKS

Bricks of distinction made in the traditional way

A great tradition BUILT on knowledge

When you select a Namoi Valley brick or paver, you are choosing an art form. Four generations of experience handed down, combined with modern technology, to produce one of the most prestigious range of bricks today.

In the past, great architects and builders have used fine brickwork to enhance their buildings. In the same tradition, many architects and builders use Namoi Valley Bricks and pavers to enhance their buildings.

To cater for this great tradition of fine brickwork, Namoi Valley Bricks provide an architectural range of bricks, a sandstock range of bricks, a homestead range, as well as a classic range of bricks.

Namoi Valley Bricks also provide a comprehensive range of specialty bricks, designed to enhance and finish off brickwork. A great way to give elegance and prestige to any building project.

NAMOI VALLEY BRICKS

ATTRACTIVE RANGE
The secret that makes Namoi Valley's range of bricks and pavers so attractive is the use of fine shales and traditional kiln firing techniques, which bring out the rich earthy colours.

DOUBLE SIDED FACE
Now that full brick construction is regarded by many as the way to build brick homes, with low maintenance, insulating properties and natural, attractive appearance, Namoi Valley double sided face bricks are the perfect choice for this type of construction. With the selection of the right style of brick from our range, face brick work can be achieved on either side of a single parition wall. Please talk to our sales team for further information.

HAND SORTED
All face bricks are hand sorted to maintain the highest standard and to ensure minimum wastage.

SOLID BRICKS
If you wish to finish your house with the same brick for such things as windowsills, steps or a brick fence, the Namoi Valley solid bricks are the obvious choice, as there are no unsightly holes to spoil the finished project. Solid bricks also make great pavers.

RESELLERS
Our resellers are located throughout the North West, New England, Hunter, Central Coast, South Coast and Sydney. Contact our office for the details of your nearest reseller.

TRANSPORT
Namoi Valley Bricks provide a delivery service to our customers. This is done with our truck and trailer combination which also carries a Moffat forklift on-board. This ensures that your product is able to be placed around your building site as required and makes for a smoother building process.

Our delivery service has a capacity to deliver up to 8,000 units per load and distance is not a problem.

Architectural Range

A traditional range of bricks that have stood the test of time. Ideal for Federation style buildings or prestigious commercial projects. An ironed or flushed joint is recommended for this type of brickwork. Raked joints should be avoided.

Traditional white or an off-white mortar looks great with this type of brick. Other coloured mortars are also very popular. This range of bricks comes in double-sided brick.

FEDERATION BLACK

FEDERATION BLUE

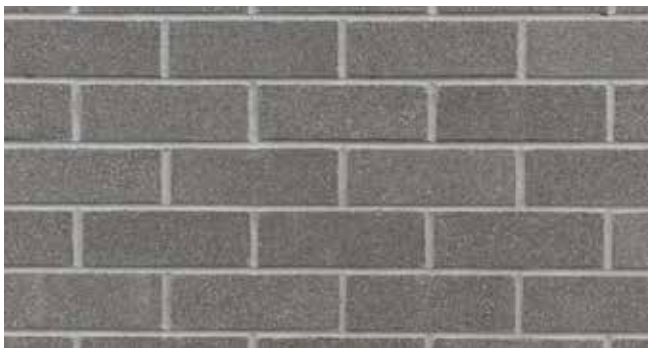
NAMOI VALLEY BRICKS

LIGHT CREAM FACE

MEDIUM CREAM FACE

LIGHT MEDIUM CREAM FACE

DARK CREAM FACE



SILVER GREY FACE

MIXED SILVER GREY FACE

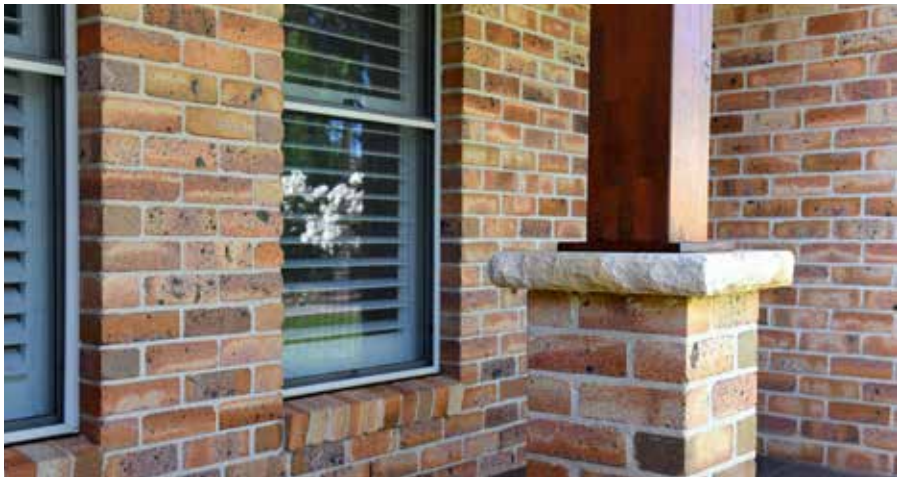
FINE RED FACE

OLD RED FACE

NAMOI VALLEY BRICKS

Sandstock Range

A colonial style brick that has a great rustic appearance, with rich earthy colours. This brick looks great in a traditional white and off white mortar, either with a flush or raked joint. This brick is double faced, allowing the bricklayer to choose either side for laying.



NAMOI VALLEY BRICKS

CENTRAL WEST SANDSTOCK

NAMOI VALLEY SANDSTOCK

HUNTER VALLEY SANDSTOCK

NEW ENGLAND SANDSTOCK

IRONSTONE RED SANDSTOCK

NORTHWEST BLEND SANDSTOCK

FEDERATION RED TUMBLE

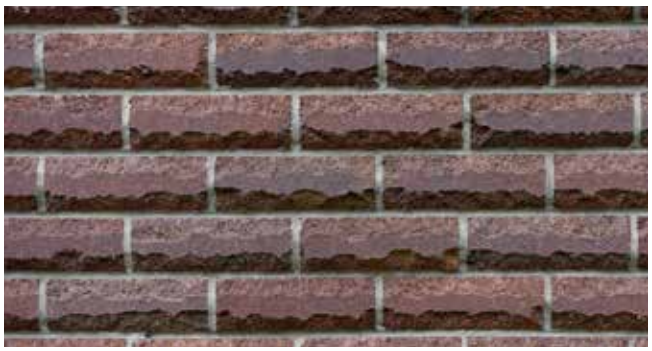
FULL CREAM SANDSTOCK

Classic Range

This range of bricks includes great favourites – Clinkers and Rockface bricks. The Classic range of bricks has been used in all styles of buildings from colonial to contemporary. Truly a range of bricks for those with flair and imagination.

LIGHT CLINKER BLEND

DARK CLINKER BLEND



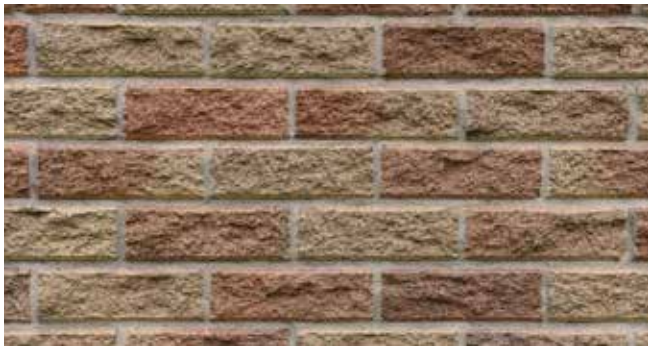
FEDERATION RED ROCKFACE

LIGHT CREAM ROCKFACE

MEDIUM CREAM ROCKFACE

FEDERATION BLACK ROCKFACE

COMBO ROCKFACE



CREAM SPLITFACE

FEDERATION BLACK SPLITFACE

FEDERATION RED SPLITFACE

Homestead Range

The Homestead brick has a neat rustic appearance, with rich earthy colours. Looks great combined with a white or off white mortar, either with an ironed or flush joint. Coloured mortar is also very popular.

NAMOI VALLEY BRICKS

CENTRAL WEST HOMESTEAD

NAMOI VALLEY HOMESTEAD

HUNTER VALLEY HOMESTEAD

NEW ENGLAND HOMESTEAD

IRONSTONE RED HOMESTEAD

NORTHWEST BLEND HOMESTEAD

FULL CREAM HOMESTEAD

SILVER GREY HOMESTEAD

NAMOI VALLEY BRICKS

Matchwork Range

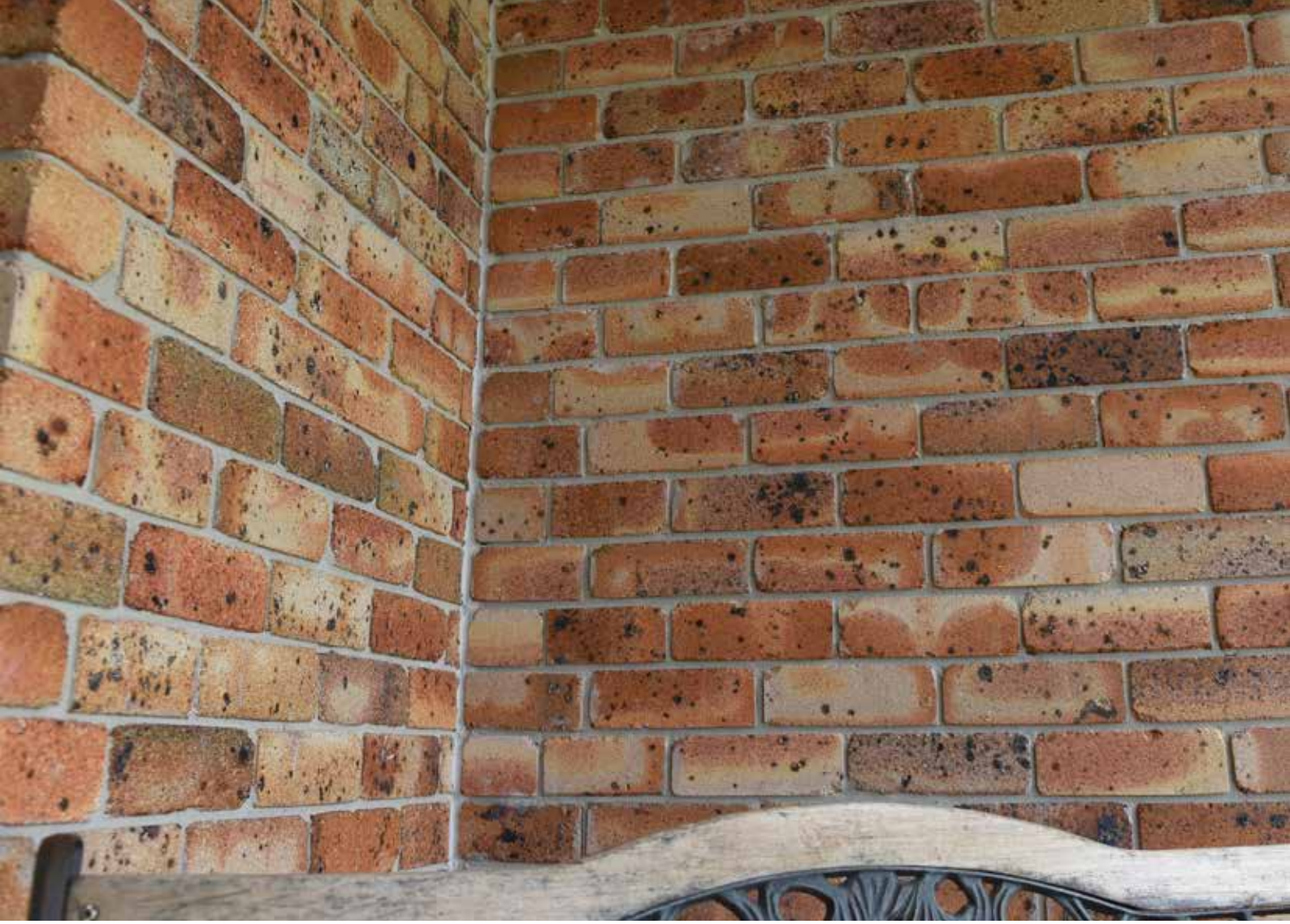
^The sales team recently matched a new fence to an existing house – this is the result.

Namoi Valley Bricks is a dry press manufacturer and as such we often receive requests to undertake match jobs for bricks from a variety of manufacturers. A match job can be for an existing structure whether old or new or a new building where the completed order has been picked up or delivered and more product is required.

To successfully provide an option for the closest match Namoi Valley Bricks can provide we need information from the site, this process is only successful with the resellers and customers assistance.

Matching existing brickwork is a specific skill. It is important that brick samples and photographs of existing brickwork be provided to ensure you achieve as close a match as possible.

NAMOI VALLEY BRICKS



^In this case the sales team matched an existing house for an extension project. The left hand wall being the existing house and the right hand wall is the matchup.

When a match is required for a project we require the following information to give the customer the best options available:

- Photos of a two metre by two metre section/s of the area that is to be match (or as close to this size as the project allows). Taken in the shade, as sun glare distorts the colour and makes it hard to get a reliable visual idea of colour.
- Samples - a cross section of all colours
- Sample of product chosen from our range will be sent for your approval prior to delivery
- Time
- Customer is always invited to our yard in Gunnedah to check the product

Namoi Valley Bricks will select the best product available at the time and send through samples for the customer to approve prior to dispatching the product.

Our range of product that could be used in your project is available to view online at www.nvbricks.com.au Click on our website to view images of houses, wall panels and individual pallets to get an idea on the potential options. For further assistance please call our office for support.

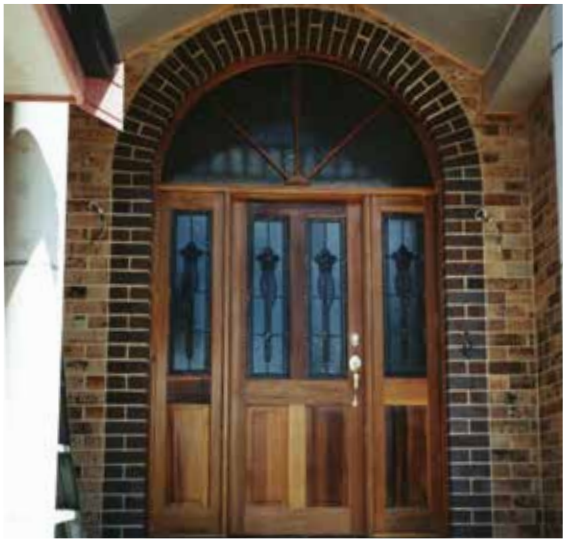
Specialty Shapes

Many years ago, special shaped bricks were used extensively in old buildings to enhance the brickwork, to give elegance and prestige to the building. Today there is a re-awakening to this fine tradition of brickwork. Namoi Valley Bricks products are a fine collection of special shaped bricks suitable for all applications.

For your windowsills why not explore the possibility of a Single Bullnose to enhance the appearance of the window. Alternatively the use of a Single Cant around doorways and window sills can create a lasting impression.

If you have a bay window or any other 45-degree wall in your building project, it is recommended to use a specialty brick called a squint brick, which are available in most ranges of bricks. This specialty brick allows you to bond your brickwork and to enhance your brickwork. Let's face it, straight vertical joints seen in bay windows are not only structurally unsound, but look terrible.

For further information on specialty bricks, just ask the sales team for specialty brick specifications.



- Single Bullnose

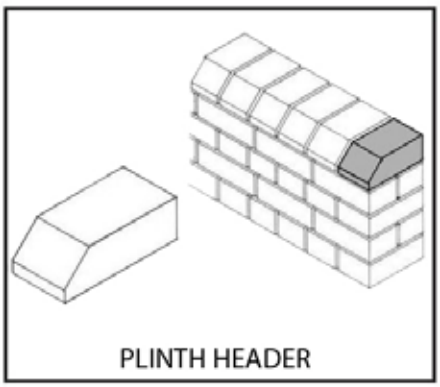
- Culvert header

- Plinth Stretchers
- Plinth external returns

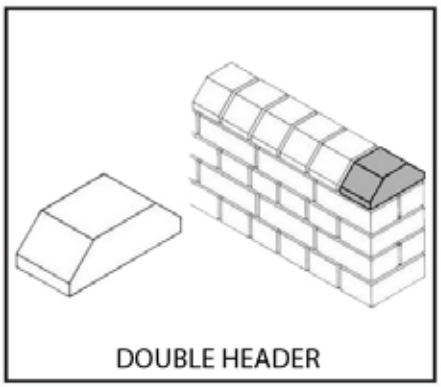
- Bullnose external return special
- Single cants
- Single bullnose
- Bullnose stop
- Single cant external return

- Teardrop stop and single bullnose

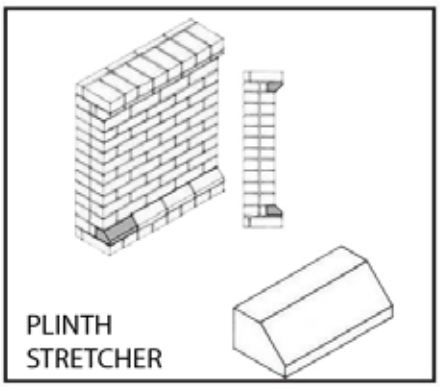
- Single Cants



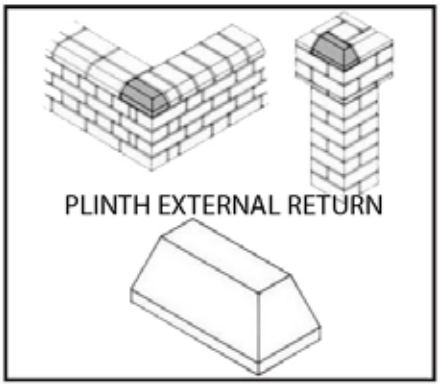
PLINTH HEADER



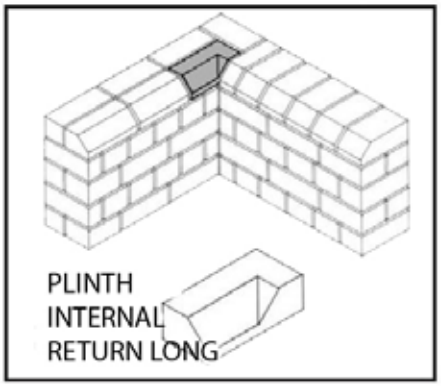
DOUBLE HEADER



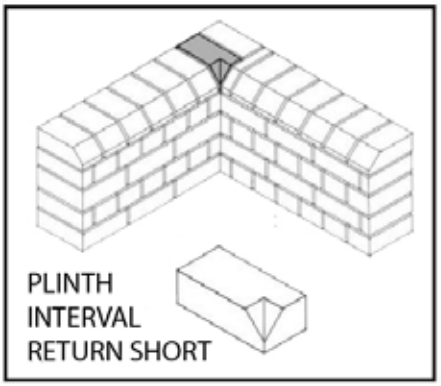
PLINTH STRETCHER



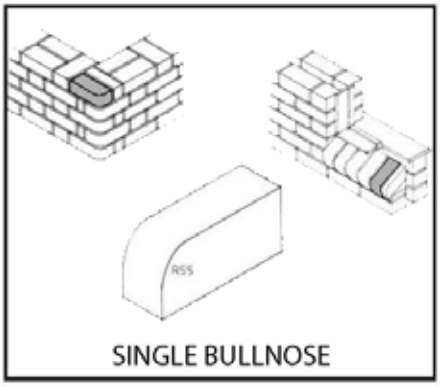
PLINTH EXTERNAL RETURN



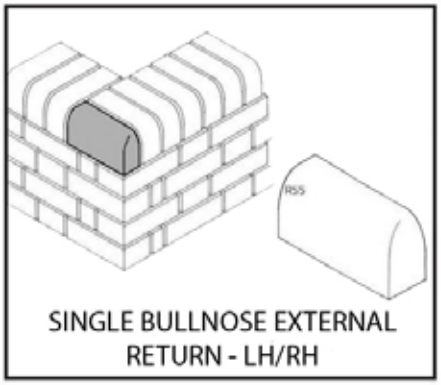
PLINTH INTERNAL RETURN LONG



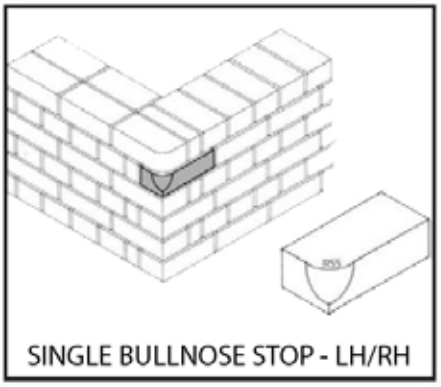
PLINTH INTERVAL RETURN SHORT



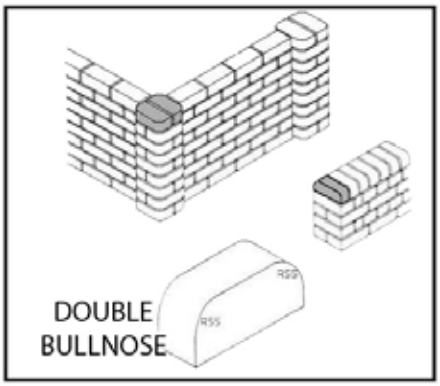
SINGLE BULLNOSE



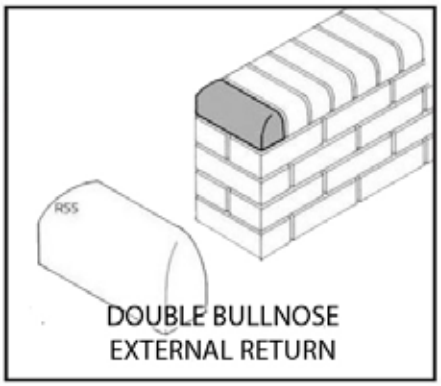
SINGLE BULLNOSE EXTERNAL RETURN - LH/RH



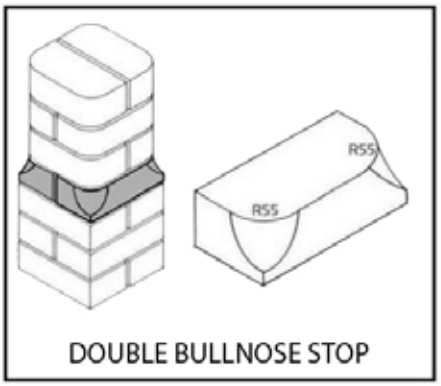
SINGLE BULLNOSE STOP - LH/RH



DOUBLE BULLNOSE

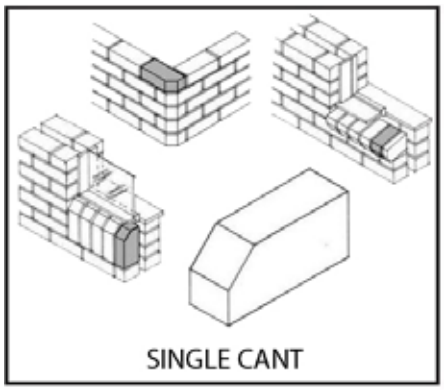


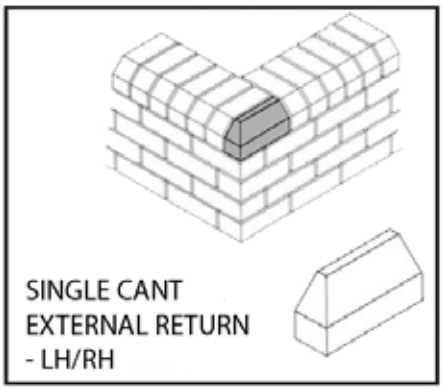
DOUBLE BULLNOSE EXTERNAL RETURN

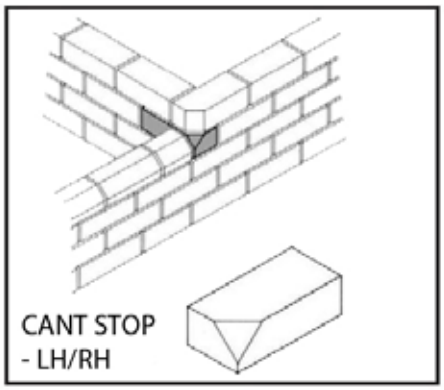


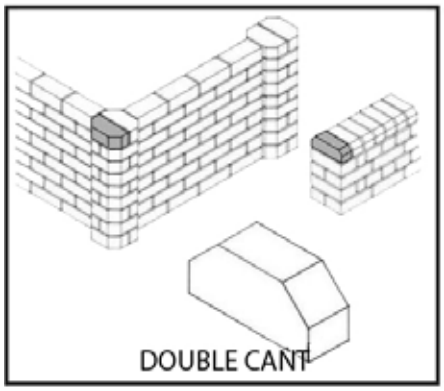
DOUBLE BULLNOSE STOP

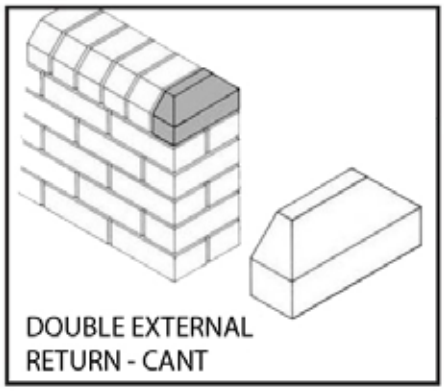
NAMOI VALLEY BRICKS

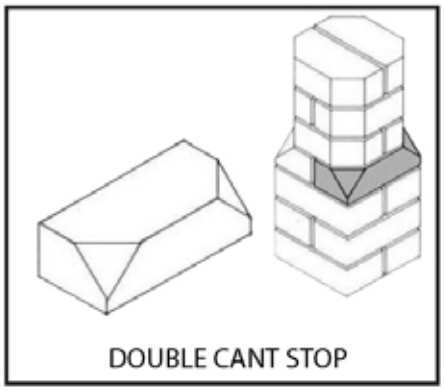


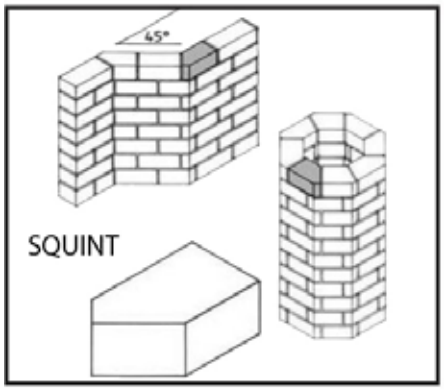


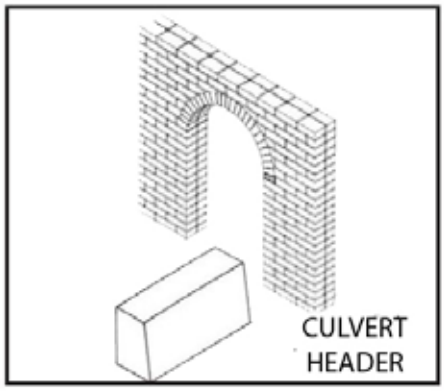


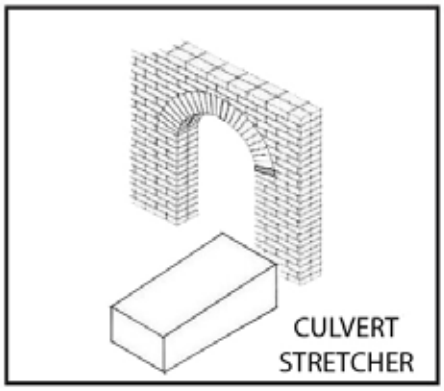












Every brick manufacturer over the years designed specific shapes to ensure their brickwork stood out from the crowd. Due to this, shapes made by past manufacturers came in all different sizes.

When choosing a shape from our standard range it is important to remember that if you are matching to existing shapes that there is generally a lot of size variation, even if you are matching to NVB shapes any new product could vary in size so it is vital to measure your shapes and discuss this with the sales team prior to finalising your selection and order to provide product for your project.

In most cases we at Namoi Valley Bricks are able to match or design shapes to your specific requirements. Please contact the sales team for information to assist and please plan ahead as this is a specialty service and not part of our standard range of products.

Paver Range

Namoi Valley Bricks provides a great range of pavers suitable for all applications. Namoi Valley Bricks are naturally salt resistant and come in a variety of rich earthy colours, they are made from a blend of natural shales and clays which give them a natural colour and beauty that is directly from nature. Namoi Valley Brick pavers are made from natural materials cooked in the traditional way.

To ensure your paving project is a success it is vitally important that the pavers are laid correctly. The two most important parts of laying pavers are the preparation of the base and the inclusion of adequate sub-surface drainage (i.e.below the underneath side of the pavers). Both of these must be done to ensure a neat and tidy job that will last. A step by step guide to laying pavers is supplied however, other suitable methods may be used.
Namoi Valley Bricks are hardwearing and ideal for high traffic areas and driveways due to the nature of the paver they are ideal for use in wet areas as they are naturally slip resistant.

FULL CREAM COBBLE

FULL CREAM MOOKI

FULL CREAM SYLVAN

FEDERATION RED COBBLE

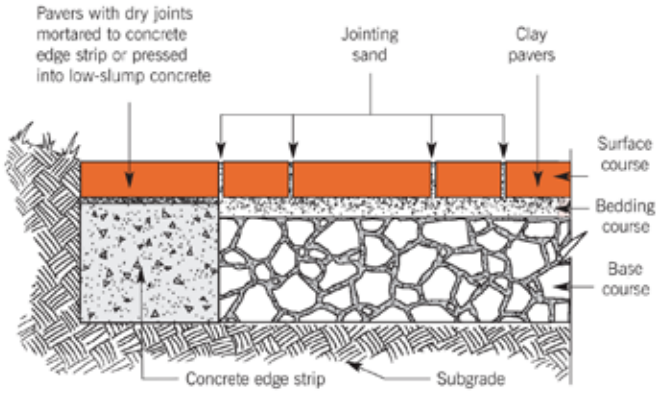
IRONSTONE RED SYLVAN

NAMOI VALLEY BRICKS

Laying Pavers

Laying pavers correctly, is vitally important if you require a job that will not only look good, but last for many years. The 2 most important parts of laying pavers is preparation of the base and the inclusion of sub-surface drainage (i.e. below the surface of the pavers). Both of these must be done to ensure a neat and tidy job that will last. As follows is our suggestions for the correct laying of pavers, other suitable methods may be used, but attention to the following points should be adhered to.

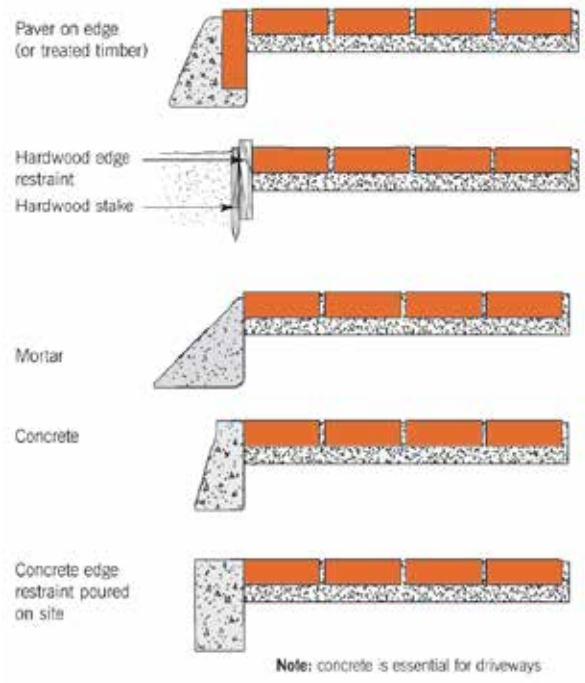
1 Excavate the area to be paved to the required depth. Allow at least 200mm (8 inches) for driveways or high soil movement areas, or at least 150mm (6 inches) for walkways. Remove any existing vegetation from the site to be paved. When excavating, allow for the depth of paver as well.



2 Determine the low points of the area to be paved. These positions will be where you will include your sub-surface drainage. As a guide, a product called "ag-drain", can be laid every 5 metres. Any paving job should have the paving slope away from your project (e.g. house, pool, shed etc). The ag-drain should be situated at least 50mm (2 inches) below the sand bedding course. It should be surrounded by washed coarse aggregate (not dirt or sand) for at least 50mm. Dirt or sand should not be used around the ag-drain as they can block the drain holes and prevent water draining away.

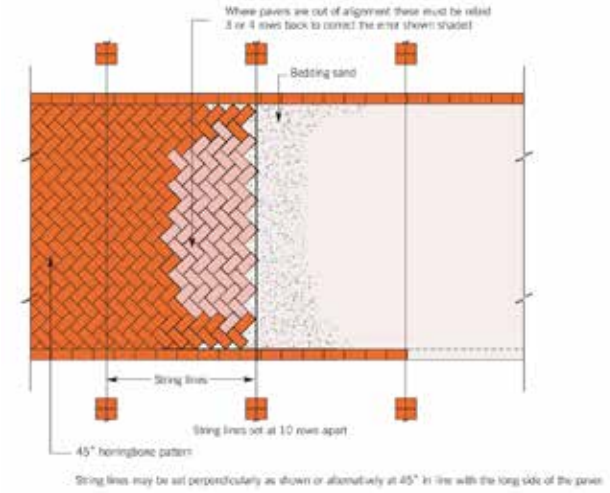
3 You will require 100mm (4 inches) of roadbase (or similar) to be laid as a base course on the excavated area. Once the aggregate is laid level to a height of 100mm, using a vibrating bed compactor, compact the roadbase so that the base course is firm.

4 A bedding course of washed river sand should be placed on top of the base course. It should be 30mm - 50mm deep and will act as a capillary break between the base and the pavers. It is very important that a high quality sand be used as it will filter out any impurities in the water that can stain the pavers when they are drying out. Products with excessive fines such as "crusher dust" or similar should not be used as it does not provide a capillary break and can lead to staining problems at a later date.



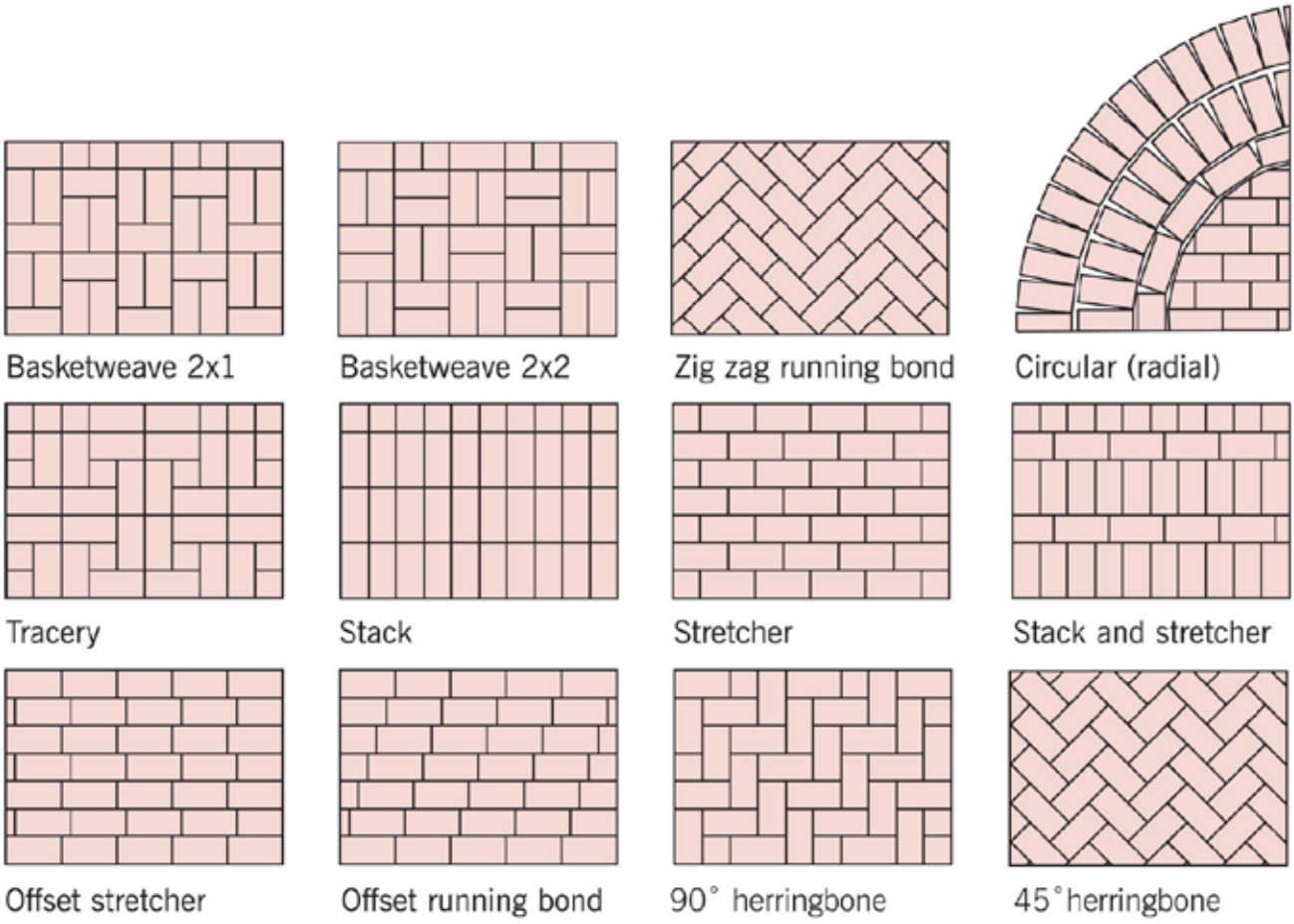
5 To hold pavers into position, secure the pavers by laying a strip footing around the outside and mortaring the outside row of pavers down on top of the strip footing (remember that an ag-drain will be needed at the lowest points, which will need to run out through or underneath the strip footing).

6 Lay the pavers in the desired pattern making sure to use string lines every 1 metre and lay the pavers to the string lines, not to the paver next to it.



7 When finished laying pavers, check pavers line up with string lines and adjust any that require straightening, using a brick layers trowel or a screwdriver.

8 Spread sand over the top of the pavers and sweep sand into the joints with a broom. We suggest you use sharp bricklayers sand.



9 Compact sand and pavers using a vibrating bed compactor with a roller attachment. If a roller attachment is not available, a piece of carpet wrapped around the plate and secured with wire is an acceptable alternative.

10 For paving protection our first grade pavers are treated with a product called Water Repella© after coming out of the kiln. This is an added bonus and will stop water penetrating the paver surface. The treatment coupled with laying the pavers on a bedding of course sand to create a capillary break, will ensure that staining of the pavers will be reduced and they will continue to look 'like new'. Should you require any additional sealer to assist in the prevention of staining in environments that may contain:

- Grease
- Oil
- Plant / Leaf Litter
- Sap
- Food / Drink
- Or any other Stains

Please contact our head office for options to suit your specific needs.

NOTE: This information is supplied for the purpose of general paving areas, walkways etc. It has been based on information supplied by Think Brick Australia, representing Australia's clay brick and paver manufacturers. Due to the many different conditions that paving might be laid, the above information should be only used as a guide. For more detailed information, please consult www.thinkbrick.com.au Technical Manuals section. This site contains a wealth of information about all information in regards to Clay Brick and Paving products.

Brick and Paving Information

Type	Dimensions	Weight per Unit	Units per Pallet	Units per m2	Weight per Pallet	Sq Metres per pallet
Cobble Paver	228x114x50	2.6kg	684	38	1.8 T	18m^2
Sylvan Paver 50 mm	228x114x50	2.6kg	684	38	1.8 T	18m^2
Mooki Paver	228x150x50	3.5kg	494	29	1.8 T	17m^2
Face Brick (Wall)	228x110x75	3.6kg	500	50	1.85 T	10m^2
Face Brick (Paving)	228x110x75	3.6kg	500	40	1.85 T	12.5m^2
Cobble Copers	228x115x50	2.6kg	240	N/A	N/A	N/A
Cobble Bullnose	228x115x50	2.6kg	240	N/A	N/A	N/A

Technical Information

BRICKS	Coefficient of Expansion	Compressive Strength	Water Absorption	Salt Attack
ARCHITECTURAL RANGE				
Cream Face	0.5mm/m	27 mpa	8.30%	Exposure
Red Face	0.1mm/m	23 mpa	7.20%	Exposure
Black Face	0.1mm/m	29 mpa	5.20%	Exposure
Old Red Face	0.3mm/m	17 mpa	8.40%	Exposure
Silver Grey Face	0.2mm/m	26 mpa	7.70%	Exposure
HOMESTEAD RANGE				
Cream Homestead	0.5mm/m	27 mpa	8.30%	Exposure
Red Homestead	0.1mm/m	23 mpa	7.20%	Exposure
SANDSTOCK RANGE				
Cream Sandstock	0.5mm/m	27 mpa	8.30%	Exposure
Red Sandstock	0.1mm/m	23 mpa	7.20%	Exposure
CLASSIC RANGE				
Cream	0.5mm/m	27 mpa	8.30%	Exposure
Red	0.1mm/m	23 mpa	7.20%	Exposure
Black	0.1mm/m	29 mpa	5.20%	Exposure

PAVERS	Efflorescence	Transverse Breaking Load	Coefficient friction of wet surfaces	Resistance to Abrasion
Red Cobble	Nil	8.4kN	0.85	5.3cm
Cream Cobble	Nil	6.7kN	1.04	6.0cm
Cream Mooki	Nil	12.3kN	1.01	6.0cm

Know Your Bricks

BLENDING BRICKS It is very important to blend all your packs of bricks together. It is not uncommon to have variation of colour and tone from pack to pack and even within a pack, depending on how they are produced. Therefore, to ensure an even blend, it is critical that you blend all your bricks together. Consequently do not start your brickwork until all, or most of your bricks are on site. When the product is delivered on site, it is very important for the bricks to be "grouped" around the worksite for the brick contractors to obtain access to an even blend of product. This grouping practice will ensure easy access to the full range of colour within the product. Once the pallets are grouped together, the straps of each pallet should be cut to ensure the contractor can obtain bricks from each pallet. If this process is not performed the risk of colour variation or a banding effect is increased greatly.

BRICK CLEANING It is essential that when you clean your bricks, you do not use a strong acid mixture (Recommended water/acid mixture of between 12:1 – 20:1) or use too much pressure. Pressure cleaners should not be set higher than 15 litres per minute and no greater than 1000psi.

We urge you to choose a bricklayer who is prepared to at least clean down his brickwork at the end of each days work. Cleaning of brickwork should be carried out between 7 and 14 days after the bricks have been laid (even if the project has not been completed).

Cleaning brickwork must be carried out as per industry and Australian Standards. More information can be found at www.thinkbrick.com.au or contact Namoi Valley Bricks.

It has become a common practice in the brick and paving industry for contractors to perform a "sponging technique". This technique is performed after laying the product where the contractor will use a wet sponge to take away any excess mortar. This practice is done for two major reasons, to fill in any imperfection in the mortar joint and to take away the excess mortar making it easier for the contractor to obtain the preferred joint effect.

Namoi Valley Bricks recommends that the sponging technique should NOT be performed on any of the products. Clay products are very porous and therefore susceptible to staining. When wet mortar is in contact with the brick or paver, the mortar is absorbed into the product and if allowed to remain without cleaning for an extended period, will increase the risk of staining.

Light coloured bricks can be affected by vanadium stains (yellow to green stains). Vanadium stains should be treated before you acid down the bricks. Only then should you use a very weak acid mixture to clean down the brickwork. If you use a strong acid mixture, prior to treating the stain, the acid will turn the vanadium stain brown, which can be difficult to remove and appear very unsightly. For further information regarding brick staining you should refer to the Think Brick Australia (www.thinkbrick.com.au)

PROTECTING BRICKWORK It is well to appreciate that bricks are porous, that is, moisture can be absorbed into and out of the bricks. What that essentially means, is that salts, chemicals and grime can be dissolved in moisture and allowed to pass in and out of the bricks, creating such problems as scum and grime accumulating on the surface of the bricks.

To avoid cleaning bricks & pavers, which in some instances, can be a very difficult process, as some stains are very hard to remove, it is far better in trying to avoid moisture getting into the brickwork, by sealing the bricks, especially bricks exposed to weather, moss and discolouration is very much a possibility.
Pavers can be a problem in moist areas,

as pavers can often absorb moisture from underneath the pavers, collecting minerals and salts as they pass up through the surface of the pavers.

We have found brushing or spraying a sealing agent over new brick work (after it has been cleaned and dried), has been proven to be very successful, as it not only seals the bricks, but also maintains the "new" look for many years. It is definitely worth doing, as it is relatively inexpensive and very easy to apply.

BRICKGROWTH Most clay bricks experience permanent moisture expansion after leaving the kiln and is commonly called "brick growth". Cracks in the brickwork can result if proper building practices are not followed. Namoi Valley Bricks have a very low brick growth, which makes them a very suitable brick for all applications.

BRICK JOINTS The kind of mortar joints you utilise will have a definite affect on your brickwork. A flush joint, a raked joint and an ironed joint and variations on these joints, have their own characteristics. It is well to remember that some joints are not recommended with certain types of bricks. Example, a straight arris (brick edge) brick, particularly a dry press brick, which tends to have a very sharp arris, should not use a raked joint, as any imperfections are highlighted and because the arris is so sharp, the raking process can in fact damage the arris. The mortar joint that should be used for this type of brick is an ironed joint, as these types of mortar joints will cover many imperfections and actually protect the sharp arris for the lifetime of the bricks.

BRICK SIZES Bricks when they are kilned fired, expand and shrink in the firing process. This expansion and contraction are influenced by many factors, such as variation in shale and clay deposits, temperature, variations in pack configurations and their position in the kiln.

Therefore variation in brick sizes is very common and quite natural, particularly if your bricks are a mixture of colour and tones. Thus it is recommended that you allow for this variation in brick sizes in your choice of bricks. Sandstocks and blends tend to have a greater variation than straight coloured bricks.

DOUBLE SIDED FACE BRICKS Most bricks produced by Namoi Valley Bricks are double sided face, which means far less wastage, as most bricks on the market give you a one sided face brick only, which in essence means, that if you have a damaged brick on the one sided face brick, the bricklayer is obliged to throw that brick away, but if the brick has a double sided face, the bricklayer can then use the other side of the brick. This can often save you hundreds of dollars, depending on the wastage factor.

Full brick construction is now regarded by many as the way to build brick homes, with the low maintenance, insulating properties and natural and attractive appearance, the Namoi Valley double sided face brick range of products could be the perfect choice for this type of construction. Please call our sales team for information on the right product for your single partition walls.

MORTAR COLOUR Different mortar colour can dramatically change the appearance of a brick. Therefore it is critical to choose your mortar colour with care; as some mortar colours will highlight and contrast your bricks, while some mortars will tone down your brickwork.

FULL-BRICK VERSUS BRICK-VENEER
As with all systems, there are advantages and disadvantages. It is important, as an individual, to choose the type of brickwork and system that suits you.

FULL-BRICK (using mainly exposed brickwork)
ADVANTAGES: Low maintenance; superior insulation properties; fire resistant; resistant to termites and other bugs; retards noise, greater resale value; unaffected by moisture, child proof, visually appealing; cost less or on par with brickveneer; less contractors required; no skirting boards required.

DISADVANTAGES; Heavier foundations are required; most builders are geared up for brick-veneer; more planning and care needed for plumbing and electrical work.

SOLID BRICKS Namoi Valley Bricks produce only solid bricks, which means you can save money on mortar, as you do not have to use excessive amounts of mortar to fill the void, as against many of those bricks now on the market that have holes in the centre of the bricks, which in essence, require more mortar. It may mean in reality, you are actually getting 35% more mass with a Namoi Valley Brick, compared to the bricks with holes (extruded).

Many engineers and architects believe that a solid brick is more structurally sound than extruded bricks. Solid bricks are also easier to drill into and fasten onto, as there are no holes to interfere with plugs, which are required when fastening objects to a brick wall. This is especially so if you render the bricks as you need to know that when you drill into a brick wall, you are not going to drill into a void.

If you want to finish your house with the same bricks for such things as sills, steps or a brick fence, the Namoi Valley solid bricks are the obvious choice, as there are no unsightly holes to spoil the finished project.

HEAD OFFICE
Namoi Valley Bricks
37-39 Mullaley Road Gunnedah NSW 2380
Phone: 02 6742 0533
sales@nvbricks.com.au

SYDNEY OFFICE
MD Bricks
40 Eddie Road Minchinbury NSW 2770
Phone: 02 9832 4644
sales@mdbrick.com.au

Our agents are located throughout the North West, New England, Hunter, North Coast, Central Coast, South Coast and Sydney, as well as country Victoria.

www.nvbricks.com.au