



# HMR MOULDINGS

## DOOR JAMBS AND STAIR STRINGERS



# Applications and uses of HMR Mouldings

For a great finish, start with GoldenEdge HMR (high moisture resistance) Mouldings manufactured in New Zealand from premium quality GoldenEdge Medium Density Fibreboard.

GoldenEdge HMR Mouldings are designed for interior applications and are available in a wide range of profiles to suit both modern and traditional decors. The convenient 5.4m length enables the fitting of architraves around a door to be completed from a single piece. New pack sizes are lighter and easier to handle.

## Applications

GoldenEdge HMR Mouldings are designed for interior use and are not recommended for use in situations where they will be exposed to water or prolonged high humidity. Do not use in shower cabinets or saunas. They should not be used for exterior applications.

In situations where they will be exposed to heat from fireplaces or solid fuel heaters, GoldenEdge HMR Mouldings should be installed with the same clearances used for solid timber.

GoldenEdge HMR Mouldings are resistant to fungal attack provided their moisture content does not exceed 20% for extended periods. They are also resistant to attack by common household wood borer.

Prior to fixing, GoldenEdge HMR Mouldings should be protected from moisture, excessive heat and direct sunlight. After fixing, nail or screw holes should be stopped and sanded prior to sealing with paint or a clear finish.

Profile/Sizes (mm)	Pieces/Bundle	Profile/Sizes (mm)	Pieces/Bundle	Profile/Sizes (mm)	Pieces/Bundle
<b>Bevelled Architrave</b>		<b>Melbourne Architrave</b>		<b>Colonial Skirting</b>	
BA 40 x 12	10	MA 42 x 12	10	CS 135 x 18	5
BA 60 x 12	10	MA 67 x 12	10	CS 180 x 18	4
BA 85 x 12	10	<b>Colonial Architrave</b>		CS 220 x 18	3
BA 60 x 18	10	CA 60 x 18	10	<b>Bevelled Cornice</b>	
BA 85 x 18	5	CA 85 x 18	5	BC 30 x 18	20
<b>Bullnose Architrave</b>		<b>Lambs Tongue Architrave</b>		BC 40 x 18	16
BNA 40 x 12	10	LTA 67 x 12	10	<b>Colonial Cornice</b>	
BNA 60 x 12	10	LTA 67 x 18	10	CC 45 x 18	10
BNA 85 x 12	10	<b>Replica Architrave</b>		<b>Homestead Cornice</b>	
BNA 60 x 18	10	RA 67 x 18	10	HC 65 x 25	5
BNA 85 x 18	5	RA 85 x 18	5	HC 75 x 25	5
<b>Splayed Architrave</b>		RA 135 x 18	5	<b>Bungalow Mould</b>	
SA 60 x 18	10	RA 180 x 18	4	BM 18 x 12	20
SA 85 x 18	5	RA 220 x 18	3	BM 28 x 18	16
<b>Australian Splayed Architrave</b>		<b>Square Dressed</b>		<b>Scotia</b>	
ASA 67 X 18	5	SD 30 x 12	20	SC 28 x 18	16
ASA 92 X 18	5	SD 40 x 12	10	<b>Quadrant</b>	
ASA 135 X 18	5	SD 60 x 12	10	Q 19 x 12	20
ASA 180 X 18	4	SD 40 x 18	10		
<b>Double Bevel Architrave</b>		SD 60 x 18	10		
DBA 40 x 12	10	SD 40 x 18	10		
		SD 80 x 18	5		
		SD 85 x 18	5		
		SD 135 x 18	5		

# Installation & Finishing

## Conditioning

All HMR Mouldings and other wood based products including timber will shrink when the moisture content falls as a result of drying conditions.

Prior to fixing, GoldenEdge HMR Mouldings should be protected from moisture, excessive heat and direct sunlight.

It is recommended that the GoldenEdge HMR Mouldings are removed from the protective plastic wrapping and conditioned at the site of installation for a period of at least 48 hours.

## Nailing

When fixing GoldenEdge HMR Mouldings by nailing, 40mm or 50mm finishing brads are recommended and should penetrate a minimum of 25mm into the framing timber. Should it be necessary to nail through the side rather than the face of the moulding, this should be done at least 25mm from the end of the moulding.

## Screwing

A pilot hole equal to the diameter of the screw should be drilled through the moulding before screwing. When screwing through the edge of mouldings this should be done at least 25mm from the end of the moulding.

## Stapling

Excessive penetration of the staples should be avoided and staple length selected to give a penetration into the framing timber equal to the thickness of the moulding being fixed.

## Adhesives

GoldenEdge HMR Mouldings are suitable for fixing using building adhesives. Contact, stud and wallboard adhesives manufactured by leading adhesive manufacturers should be used in accordance with their instructions.

## Stopping

Stop all nail and staple holes with a proprietary plastic wood putty. Match and blend colours as required to suit. Lightly sand with 320 grit paper.

## Painting

For best results application of three coats is recommended.

First coat Primer/undercoat is critical to the final finish.

It is recommended that primer/undercoat is applied to paint manufacturer's recommendations.

Apply second and third coats or additional coats as required.

A light sand using 280 to 320 grit paper is recommended after the first coat and between subsequent coats.

## NOTE

GoldenEdge Primed Mouldings have been machine coated with a premium acrylic undercoat. Apply two even coats of premium acrylic, enamel or an acrylic mix to finish. For superior gloss finish apply an additional undercoat (allowing to dry overnight) prior to the two top coats.

## Clear Finishing

Apply first coat of clear finish according to the paint manufacturer's recommendations, taking specific note of drying and recoating times.

Apply second and third clear coats according to manufacturer's recommendations. A light sand using 320 grit paper is recommended after the first coat and between subsequent coats.

## Renewable Resource



GoldenEdge Medium Density Fibreboard is produced from high quality plantation grown Radiata Pine fibre - a renewable resource which helps to preserve our natural environment and has the environmental performance certification of Environmental Choice New Zealand.

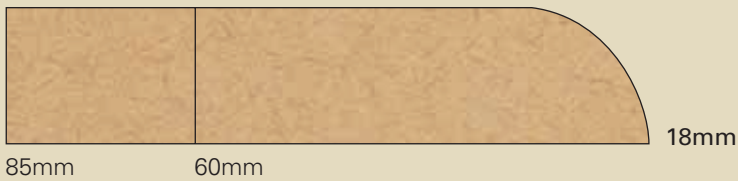


# HMR Mouldings Profile Range

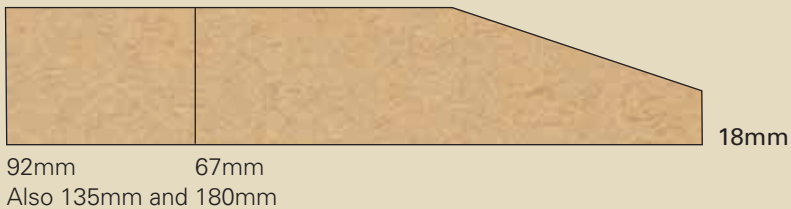
## Bevelled Architrave



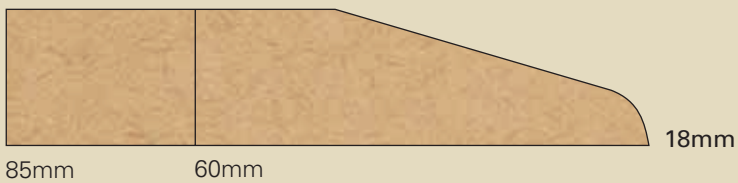
## Bullnose Architrave



## Australian Splayed Architrave



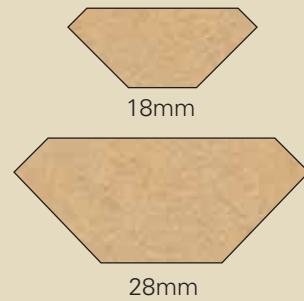
## Splayed Architrave



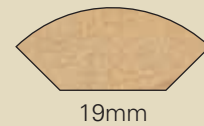
## Square Dressed



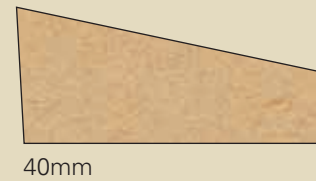
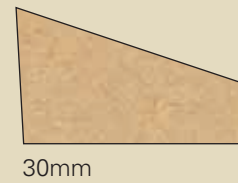
## Bungalow Mould



## Quadrant



## Bevelled Cornice



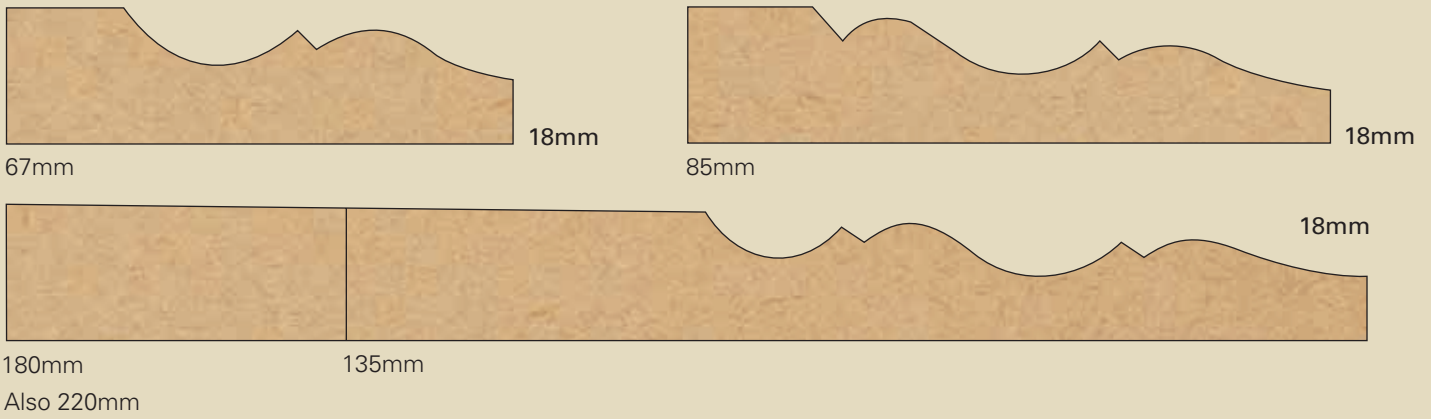
## Double Bevel Architrave



## Scotia



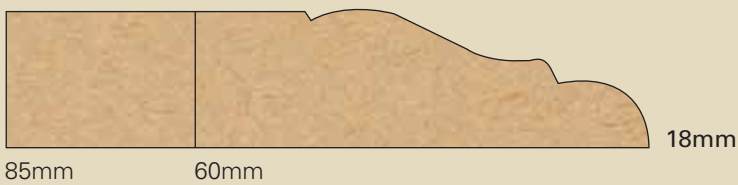
### Replica Architrave



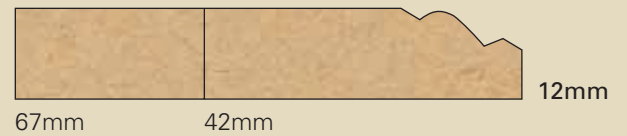
### Colonial Skirting



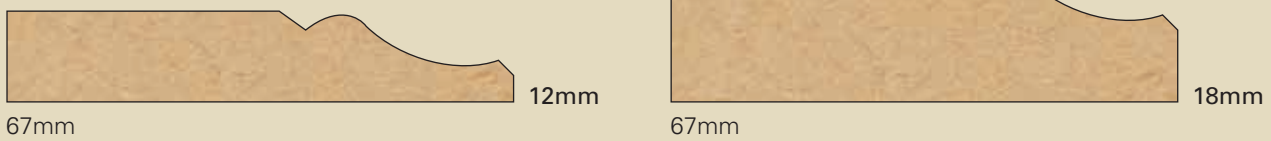
### Colonial Architrave



### Melbourne Architrave



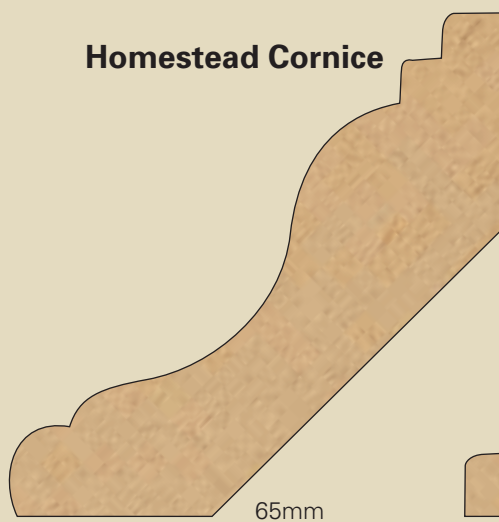
### Lambs Tongue Architrave



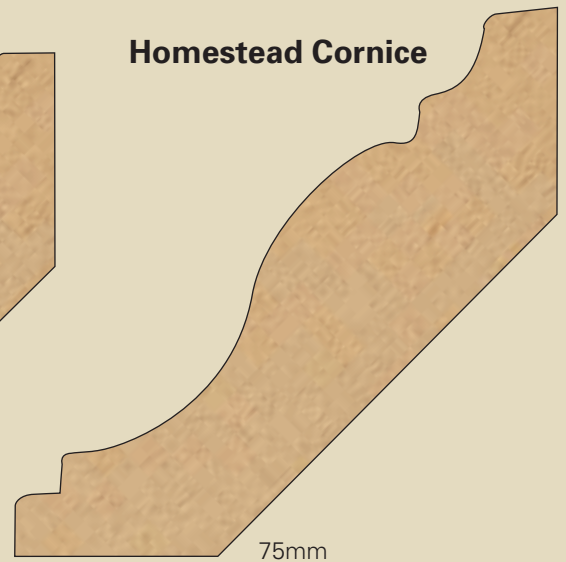
### Colonial Cornice



### Homestead Cornice



### Homestead Cornice

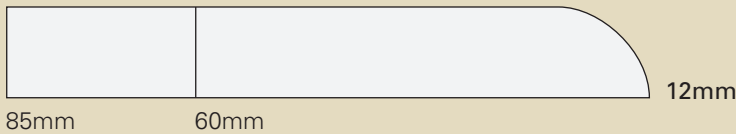


# HMR Primed Mouldings

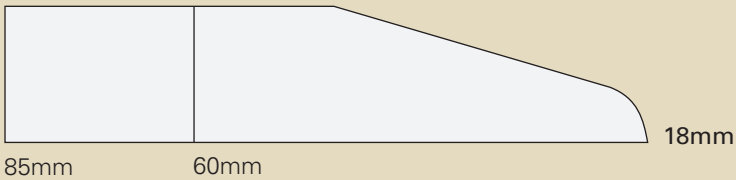
## Bevelled Architrave



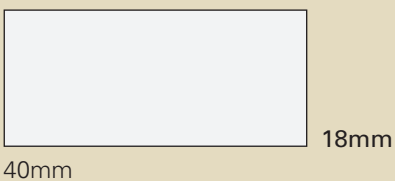
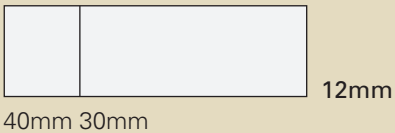
## Bullnose Architrave



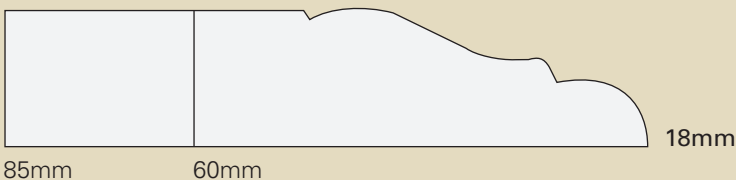
## Splayed Architrave



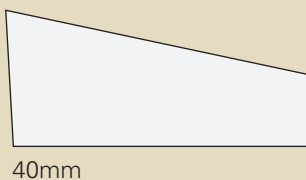
## Square Dressed



## Colonial Architrave



## Bevelled Cornice



Profile/Sizes (mm)	Pieces/Bundle
<b>Bevelled Architrave</b>	
PRBA 40 x 12	10
PRBA 60 x 12	10
PRBA 85 x 12	10
<b>Bullnose Architrave</b>	
PRBNA 60 x 12	10
PRBNA 85 x 12	10
<b>Splayed Architrave</b>	
PRSA 60 x 18	10
PRSA 85 x 18	5
<b>Square Dressed</b>	
PRSD 30 x 12	20
PRSD 40 x 12	10
PRSD 40 x 18	10
<b>Colonial Architrave</b>	
PRCA 60 x 18	10
PRCA 85 x 18	5
<b>Bevelled Cornice</b>	
PRBC 40 x 18	16

# HMR Grooved Door Jambs

GoldenEdge HMR Grooved Door Jambs are 25mm or 28mm thick and are manufactured with the consistency and quality you expect from GoldenEdge MDF.

GoldenEdge HMR Door Jambs are supplied in 2.1m, 4.2m or 5.1m lengths. (The 5.1m length will complete a door frame).

## Description

GoldenEdge HMR Door Jambs have similar physical characteristics to GoldenEdge Medium Density Fibreboard in sheet form. Resistant to warping and splitting, GoldenEdge HMR Door Jambs are more consistent in quality and easier to install than conventional timber jambs.

## Physical Properties 25mm & 28mm

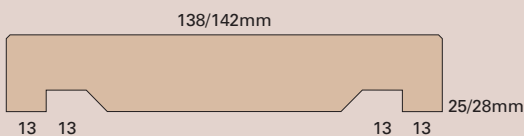
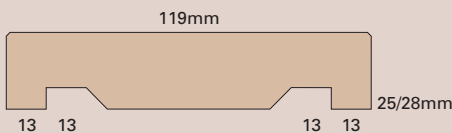
Property	Unit	Mean	Minimum
Density	kg/m <sup>3</sup>	670	*635
Internal Bond	kPa	900	*700
Moisture Content	%		
Modulus of Rupture	MPa	43	*30
Modulus of Elasticity	MPa	3000	*2500
24 hour Thickness Swell	%	3.5	†5.0

\* The individual Moulding results will not be less than the value shown.

† The individual Moulding results will not exceed the value shown.

## Sizes

Thickness (mm)	Width (mm)		Length (m)	Pack Quantity		
	Standard Stud Code	Dry Frame Stud Code				
25	SJ	119	SJ	119	2.1	50
	SJ	119	SJ	119	4.2	50
	SJ	142	DFJ	138	2.1	50
	SJ	142	DFJ	138	4.2	50
	SJ	142	DFJ	138	5.1	25
28	SJ	119	SJ	119	2.1	50
	SJ	119	SJ	119	4.2	50
	SJ	142	DFJ	138	2.1	50
	SJ	142	DFJ	138	4.2	50
	SJ	142	DFJ	138	5.1	25



## Fixing and Finishing

### Fixing To Framing

GoldenEdge HMR Grooved Door Jambs can be fixed through faces or edges with screws or nails.

NOTE: Ensure that the timber framing does not have a moisture content of 20% or more before fitting HMR Door Jambs.

### Screwing

The best results are achieved with parallel thread screws such as the Twinfast or particle board screws. Conventional wood screws should not be used. Screws inserted into the edges should not be less than 25mm from the corners. It is important not to overtighten screws as this will reduce the holding strength.

### Pilot Hole

A pilot hole is recommended to avoid splitting during edge screw fixing. Pilot holes should be drilled approximately 2-3mm beyond the expected insertion depth.

Screw Gauge	Pilot Hole
4	1.5mm
5	1.8mm
6	2.0mm
7	2.2mm
8	2.5mm
9	2.8mm

### Stapling and Nailing

Staples and nails can be used effectively for joint fitting. For best results it is helpful to add adhesive to the joint prior to assembly. When stapling it is important to have good control of air pressure to avoid excessive penetration of staples. For nailing use either annular, grooved or helical nails of 13 or 14 gauge, for best results.

### Adhesives

Where staples or nails are being used, best results are achieved applying water resistant adhesive to the joint prior to assembly.

### Sanding and Finishing

If edge sanding is required, use 120 grit paper followed by 240 or 320 grit paper for best results.

### Painting

Prior to priming, stop all nail holes with solvent based wood dough and lightly sand.

Brush, roller and spray application techniques may be used in accordance with paint manufacturers' specifications.

## HMR Stair Stringers

28mm GoldenEdge HMR regular density in standard widths of 250mm and 300mm. Available in 5.1m lengths. Orders accepted in multiples of 12 lengths.



GoldenEdge Medium Density Fibreboard is manufactured in New Zealand by Nelson Pine Industries Ltd to the highest standards of quality and consistency.

Utilising advanced manufacturing techniques, Nelson Pine's Richmond plant incorporates continuous press technology with advanced computerised production control.

This combined with the high quality plantation grown Radiata Pine fibre used in the manufacture of GoldenEdge MDF gives you a board with a consistency and range of sheet and thickness sizes that is unmatched in New Zealand.

GoldenEdge HMR Mouldings, HMR Door Jambs and Stair Stringers are all manufactured from premium quality GoldenEdge high moisture resistant (HMR) Medium Density Fibreboard.

### **Product Warranty**

GoldenEdge MDF carries a 12 month warranty against faulty materials or workmanship by the manufacturer to the extent of replacement of the product but not including any indirect or consequential loss subject to the provisions of the Consumer Guarantees Act 1993.

This warranty applies only where the product has been used in accordance with the recommendations. Any defect must be advised to the manufacturer within 21 days of determination or from the day such defect should have become known.

Nelson Pine Industries Ltd reserves the right to change specifications contained in this publication without notice.

### **Product Performance**

GoldenEdge MDF should not be used in exterior applications, should not be exposed to water or high humidity situations (saunas, shower cabinets) and should be kept clear of nearby heat sources such as solid fuel heaters and free standing fireplaces. GoldenEdge is manufactured specifically for applications such as high quality furniture and joinery, using urea formaldehyde resin manufactured expressly for Nelson Pine Industries Ltd. Formaldehyde concentrations in areas without proper ventilation are significantly reduced by sealing all exposed surfaces and edges with two coats of paint or polyurethane. GoldenEdge MDF used for Mouldings, Grooved Door Jambs and Stair Stringers is manufactured using high moisture resistant MDF.

### **Durability**

GoldenEdge HMR Mouldings and Door Jambs will be durable for 50 years when used in dry interior environments (i.e. not saunas, spa rooms or shower rooms). When used in wet rooms (e.g. laundries and bathrooms) the provisions of NZBC E3 must be complied with and an impervious coating applied to GoldenEdge. The bottom of GoldenEdge floor level trim will swell and eventually deteriorate if exposed to persistent or cyclic wetting.

## **WARNING**

This is a reconstituted wood made from wood, resin and wax. This must be handled in accordance with safe work practices.

Exposure to wood dust and/or formaldehyde may cause irritation to the eyes, respiratory system and skin, and may cause sensitisation by inhalation resulting in asthma, and by skin contact resulting in dermatitis.

Wood dust is classified as a known carcinogen. Repeated inhalation of wood dust over many years may cause nasal cancer. Formaldehyde is classified as a probable carcinogen.

### **Storage**

Storage areas containing large quantities of this product must be adequately ventilated.

### **Safe Work Practice**

Work areas must be well ventilated and kept clean. Sawing, sanding and machining equipment must be fitted with dust extractors to ensure that dust levels are kept within standards laid down by Worksafe Australia, Occupational Safety and Health New Zealand, or the specific country of use. If not, a dust mask conforming with AS/NZS 1715 and AS/NZS 1716 and eye protection conforming with AS/NZS 1337 must be worn.

Offcuts, shavings and dust must be disposed of in a manner which avoids the generation of dust and in accordance with the requirements of local waste disposal authorities.

In end use applications all product surfaces exposed to occupied space must be sealed.

### **Further Information**

Refer to the Material Safety Data Sheet for this product available from Nelson Pine Industries Ltd, their Distributors and Resellers.

## **Nelson Pine Industries Ltd**

Lower Queen Street  
Richmond, Nelson, New Zealand  
PO Box 3049, Richmond, Nelson  
Telephone 03-543 8800  
Fax 03-543 8890  
Freephone 0800-800 438  
Freefax 0508 674 329  
Email [sales@nelsonpine.co.nz](mailto:sales@nelsonpine.co.nz)  
Website [www.nelsonpine.co.nz](http://www.nelsonpine.co.nz)