



# DECKING AND BALUSTRADING

ADD THAT EXTRA DIMENSION  
TO YOUR GARDEN



**MetsäWood**



# ADD THAT EXTRA DIMENSION TO YOUR GARDEN

Your garden is there to enjoy to the full, and what better way to create extra usable space than a garden deck? Whether sitting and relaxing over a glass of wine after a hard day's work or entertaining your friends, the Metsä Wood range of garden decking offers untold opportunities to make your own statement, whilst perhaps utilising an area of your garden you may have easily overlooked.

## APPLICATION OVERVIEW

	DOMESTIC USE	COMMERCIAL USE	LOW SLIP	DECKMARK	DECKMARK PLUS	PEFC CERTIFIED	FSC CERTIFIED
Classic Softwood	•	•		•		•	•
ThermoWood®	•	•		•		•	
GrasseDeck®	•			•		•	
WalkSure™	•	•	•	•	•	•	
Hardwood	•	•		•			
Composite	•	•	•	•	•		•

## CARING FOR THE ENVIRONMENT

Metsä Wood has always been committed to forestry practices that let everybody enjoy the natural beauty of wood, without making the environment pay the price. As long as stocks are carefully managed, wood is a fully renewable resource, and that's why we work with suppliers to make sure we put back everything we take from the environment. We also support Forest Certification and Chain of Custody - it's our guarantee that the wood we source only ever comes from well-managed, sustainable forests.

At Metsä Wood we take all our corporate responsibilities very seriously, not just through the timber we supply. The people we employ, the communities and countries in which we operate, and the way in which we work, are all central to our thinking. If you would like to find out more about our corporate responsibility, you can find all our policies at [www.metsawood.co.uk](http://www.metsawood.co.uk)





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Scan this code with your  
SMART phone to view online  
deck installation videos or visit  
[www.metsawood.co.uk](http://www.metsawood.co.uk)



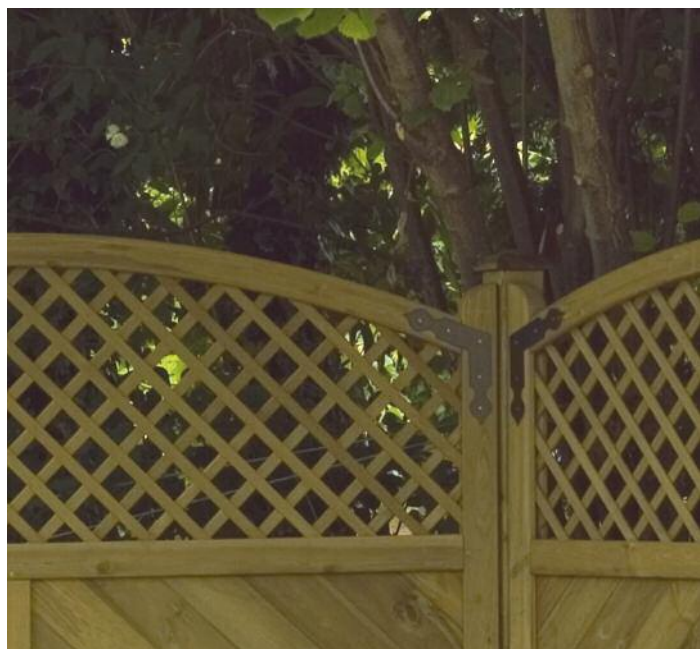


# CLASSIC SOFTWOOD

Our softwood decking is machined from high quality joinery grade timber, ensuring it will last longer and provide an extremely high quality finish. You know from the start that it is the best and is safe underfoot for all your family and friends to enjoy.

It's not just about the deck either. There is a whole range of balustrading to choose from. Roman columns, for example, are easy to use and will create a low balustrade with a classical design which will allow unhindered views of your garden.

SEE P.14 & 15 FOR BALUSTRADE OPTIONS







SEE P.14 & 15 FOR BALUSTRADE OPTIONS

PROFILE



GROOVED BOTH SIDES



GROOVED ONE SIDE, SMOOTH ON REVERSE



CREATE STEPS AND SPLIT LEVELS TO ENHANCE YOUR DECK



CERTIFIED TIMBER



PRECISION FINISH



15 YEAR GUARANTEE



PRESERVATIVE TREATED



KILN DRIED



MATCHING ACCESSORIES



DECKMARK APPROVED

FOR FURTHER DETAILS ON THESE PRODUCT FEATURES SEE P.23



# THERMOWOOD®

The inviting dark tones may resemble hardwood, yet ThermoWood® is made from Scandinavian softwood.

The chemical-free heat treatment used to create ThermoWood® also provides a natural weather resistance in addition to being environmentally friendly.



USE A DECK OIL TO MAINTAIN A RICH COLOUR OR LEAVE TO WEATHER NATURALLY

## PROFILE



GROOVED ONE SIDE, SMOOTH ON REVERSE

SEE P.14 & 15 FOR  
BALUSTRADE OPTIONS



PRECISION  
FINISH



15 YEAR  
GUARANTEE



CHEMICAL FREE



KILN DRIED



DECKMARK  
APPROVED



FOR FURTHER DETAILS ON THESE PRODUCT FEATURES SEE P.23















# GRASSEDECK®

GrasseDeck® brings a new dimension to decking, creating a softer aesthetic and working well in contrast to hard landscaping materials.

Elegant, sturdy and featuring artificial 'grass' on treated softwood boards, GrasseDeck® is easy to maintain and is ideally suited for domestic use within gardens, courtyards, balconies and around spas and swimming pools.



GRASSEDECK COMBINED WITH CLASSIC SOFTWOOD DECKING COMPLEMENTS ONE ANOTHER

## PROFILE



**NOTE:** REBATED ON FACE TO ALLOW FOR ARTIFICIAL GRASS, GROOVED ON REVERSE



PRECISION  
FINISH



15 YEAR  
GUARANTEE



PRESERVATIVE  
TREATED



KILN DRIED



MATCHING  
ACCESSORIES



DECKMARK  
APPROVED



FOR FURTHER DETAILS ON THESE PRODUCT FEATURES SEE P.23



# WALKSURE™

WalkSure™ low slip decking combines rubber and pressure treated softwood deck board.

The resulting product provides not only an attractive and colourful alternative to traditional timber decking but also a safe, low slip surface in wet or dry conditions, ideal for play areas and pool surrounds.

WalkSure is rated as 'low potential for slip' tested to BS 7976 part 2. Other applications include public walkways, outdoor smoking facilities, leisure complexes, hotels, pubs and clubhouses.



**FEATURED HERE IS WALKSURE COMPLEMENTED BY TUSCANY BALUSTRADING P.14 & 15 FOR DETAILS**





**AVAILABLE COLOURS:**



Charcoal/red



Red/charcoal\*



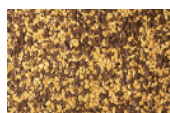
Charcoal/green\*



Sand/red\*



Sand/green\*



Sand/brown\*



Red/brown\*

**NOTE:**  
\* THESE PRODUCTS  
ARE AVAILABLE TO  
SPECIAL ORDER

WalkSure™ has been successfully tested to BS 7976 part 2 low potential for slip.

**PROFILE**



**NOTE:** INDEPENDENTLY TESTED AND CONFORMS TO HAVING A LOW POTENTIAL FOR SLIP.



PRECISION FINISH



15 YEAR GUARANTEE



PRESERVATIVE TREATED



KILN DRIED



LOW MAINTENANCE



LOW SLIP



FOR FURTHER DETAILS ON THESE PRODUCT FEATURES SEE P.23





## HARDWOOD

Hardwood offers a rich, natural surface with incredible durability and natural resistance to weather.

Use a high quality deck oil to maintain a rich colour or leave to weather naturally. Procured from legal and sustainable sources.

SEE P.14 & 15 FOR BALUSTRADE OPTIONS



LEGAL & SUSTAINABLE



PRECISION FINISH



CHEMICAL FREE



DECKMARK APPROVED

FOR FURTHER DETAILS ON THESE PRODUCT FEATURES SEE P.23



USE DECK OIL TO ENHANCE AND PROLONG THE HARDWOOD'S NATURALLY RICH COLOUR

### PROFILE



NOTE: GROOVED ONE SIDE, RIBBED ON REVERSE



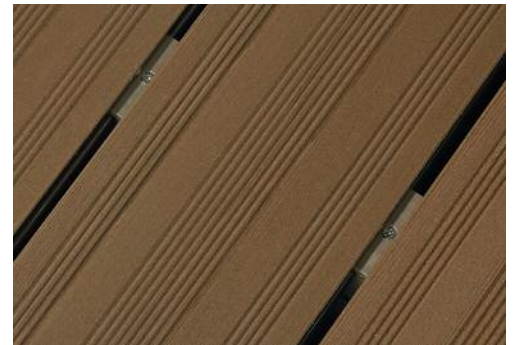


COMPOSITE DECKING WITH EDGING TRIM TO COMPLETE THE LOOK, SEE P.16 FOR DETAILS

## COMPOSITE

Composite decking provides a natural looking surface that is easy to clean and will last year after year. No need to paint, seal, stain or even waterproof.

Composite is ideal wherever exceptional durability and weather resistance are required. Made from 90% recycled hardwood and polyethylene products, Composite is eco-friendly and long-lasting.



'SECRET' CLIPS AND FIXINGS PROVIDE A FLUSH, FIXING FREE SURFACE

### PROFILE



NOTE: INDEPENDENTLY TESTED AND CONFORMS TO HAVING A LOW POTENTIAL FOR SLIP



PRECISION FINISH



10 YEAR GUARANTEE



LOW MAINTENANCE



LOW SLIP




DECKMARK + APPROVED



FOR FURTHER DETAILS ON THESE PRODUCT FEATURES SEE P.23






**TESTED FOR LOAD BEARING**  
 CAPABILITIES TO BS6180: PART 1  
 SEE P.21 FOR DETAILS

SQUARE SPINDLE

## CLASSIC SOFTWOOD BALUSTRADING


To complete your decking area, we have a range of balustrading options including classic softwood balustrade components and pre-drilled kits (shown opposite).

The softwood balustrading can easily be stained, oiled or left to weather naturally to match the decking and fencing of your choice.

Choose from the solid reliability of the Roman column balustrade, the elegant lines of the turned spindle or, for a more clean, modern look, the square spindle. Each one is finished to the highest standard and guarantees you years of enjoyment in your garden.

The turned and square spindle balustrade systems have been tested for load bearing capabilities to BS6180: Part 1. See P.21 for details.




**TESTED FOR LOAD BEARING**  
 CAPABILITIES TO BS6180: PART 1  
 SEE P.21 FOR DETAILS

TURNED SPINDLE



ROMAN COLUMN



See P.20 for details on installing a softwood balustrade system or scan the code with your smart phone to view our deck installation videos online





# PRE-DRILLED BALUSTRADE KITS




## TUSCANY BALUSTRADE KIT

An elegant railing combining the natural beauty and strength of wood with curved black aluminium balusters to create a modern blend of style and convenience.

Pre-drilled hand rail and base rail for ease of installation, complete with fixings. Balusters are powder coat painted for longevity and ease of maintenance.

Posts not included. Kit component details are shown on P.17.

 **TESTED** FOR LOAD BEARING  
CAPABILITIES TO BS6180: PART 1  
SEE P.21 FOR DETAILS




## TRADITIONAL BALUSTRADE KIT

A wooden hand and base rail complementing a set of smooth black aluminium balusters to create a timeless, classic appeal.

Pre-drilled hand rail and base rail for ease of installation, complete with fixings. Balusters are powder coat painted for longevity and ease of maintenance.

Posts not included. Kit component details are shown on P.17.

 **TESTED** FOR LOAD BEARING  
CAPABILITIES TO BS6180: PART 1  
SEE P.21 FOR DETAILS




## CLEARVIEW BALUSTRADE KIT

A glass railing system with high quality preservative treated softwood top and bottom rails, a contemporary treated softwood cap rail and seven clear tempered safety glass panels.

Pre-drilled hand rail and base rail for ease of installation, complete with fixings. Balusters are powder coat painted for longevity and ease of maintenance.

Posts not included. Kit component details are shown on P.17.

 **TESTED** FOR LOAD BEARING  
CAPABILITIES TO BS6180: PART 1  
SEE P.21 FOR DETAILS



PRECISION  
FINISH



15 YEAR  
GUARANTEE



PRESERVATIVE  
TREATED



KILN DRIED



TEMPERED  
GLASS



DECKMARK  
APPROVED

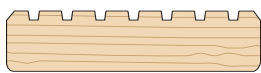
FOR FURTHER DETAILS ON THESE PRODUCT FEATURES SEE P.23

**NOTE:** THE PRODUCTS FEATURED ON P.14/15  
ARE CERTIFIED EITHER FSC OR PEFC.



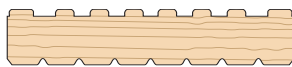
# DECKING & BALUSTRADE COMPONENTS

## CLASSIC SOFTWOOD



**SMOOTH & GROOVED TREATED DECK BOARD**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	
32 x 125	28 x 119	3.6/4.2/4.8	
32 x 150	28 x 144	3.6/4.2/4.8/5.4	



**DUAL GROOVED TREATED DECK BOARD**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	
32 x 125	28 x 119	3.6/3.9/4.2/4.5/4.8/5.1/5.4	
32 x 150	28 x 144	3.0/3.3/3.6/3.9/4.2/4.5/4.8/5.1/5.4	
38 x 125	32 x 119	3.0/3.3/3.6/3.9/4.2/4.5/4.8/5.1/5.4	

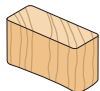


## GRASSEDECK



**GRASSEDECK BOARD**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
32 x 150	28 x 144	4.5	119420



**DECK JOIST**

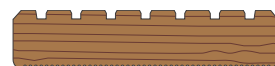
Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
50 x 100	45 x 94	3.6	30036
50 x 150	45 x 144	3.6	30037



**DECK/NEWEL POST**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
75 x 75	70 x 70	3.0	30039
100 x 100	90 x 90	2.4	95723
100 x 100	90 x 90	3.6	37575

## HARDWOOD



**DUAL DECK BOARD**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	
25 x 150	21 x 145	2.4/2.7/3/3.3/3.6/3.9/4.6/4.9	



## COMPOSITE



**DECK BOARD**

Actual Dimensions (mm)	Length (m)	Colour	Code
21 x 145	3.6	Brown	151385



**EDGE TRIM**

Actual Dimensions (mm)	Length (m)	Colour	Code
Edge trim (30 x 50)	2.25	Brown	151386
Fix clips & screws	Pack of 100		143992



**SECRET FIX CLIPS (SCREWS INCLUDED)**

## WALKSURE



**DECK BOARD**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
32 x 125	28 x 119	3.6	137704
32 x 125	28 x 119	4.2	141480



## THERMOWOOD



**DECK BOARD**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	
32 x 125	26 x 118	3/3.3/3.6/3.9/4.2/4.5/4.8/5.1/5.7	



## CLASSIC SOFTWOOD DECK BALUSTRADE COMPONENTS



**NEWEL POST WITH FITTED BALL CAP**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
100 x 100	82 x 82	1.35	83328



**R4A SPINDLE**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
50 x 50	41 x 41	0.9	32543



**ROMAN COLUMN**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
100 x 100	83 x 83	0.46	65854



**R4A NEWEL POST**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
100 x 100	82 x 82	1.25	60870



**MOULDED SPINDLE**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
50 x 50	41 x 41	0.9	24487



**NEWEL BALL CAP**

Nominal (mm)	Code
81 x 81	24489



**HANDRAIL**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
38 x 100	34 x 77	3.6	24420



**BASERAIL**

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
38 x 100	32 x 78	3.6	24419



**HANDRAIL/BASERAIL FILLET**  
FILLS GAPS BETWEEN SPINDLES IN HAND/BASERAILS

Nominal (mm)	Finished Dimensions (mm)	Length (m)	Code
16.7 x 50	10 x 41	3.6	24482

**NOTE:** DIMENSIONS (MM) QUOTED ARE APPROXIMATE



# BALUSTRADE KIT COMPONENTS

## TUSCANY

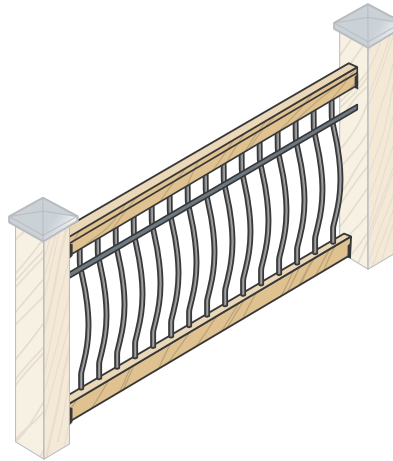
**One kit comprising:**

15 x Curved Profiled Aluminium Baluster Rails 806.5mm.  
 Profiled and pre-drilled baserail and handrail  
 (35mm x 85mm) plus locking bar  
 All fixings to assemble included (except posts).  
 Finished sizes of balustrade panel:  
 1822mm wide x 970mm high  
 Available in Black

Handrails and baserails are made from  
 pressure-treated softwood.

Posts not included.

Colour	Code
Black	101235



## TRADITIONAL

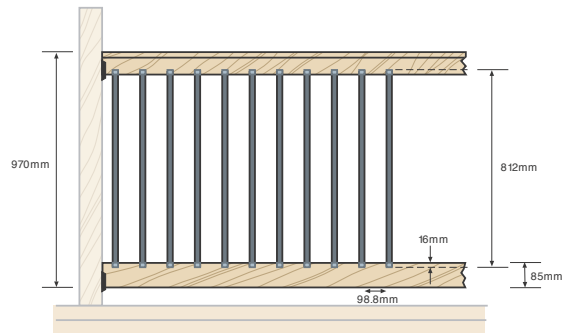
**One kit comprising:**

15 x Straight Profiled Aluminium Baluster Rails 812mm high.  
 Profiled and pre-drilled baserail and handrail (35mm x 85mm).  
 All fixings to assemble included (except posts)  
 Finished sizes of balustrade panel:  
 1822mm wide x 970mm high  
 Available in Black

Handrails and baserails are made  
 from pressure-treated softwood

Posts not included.

Colour	Code
Black	101239



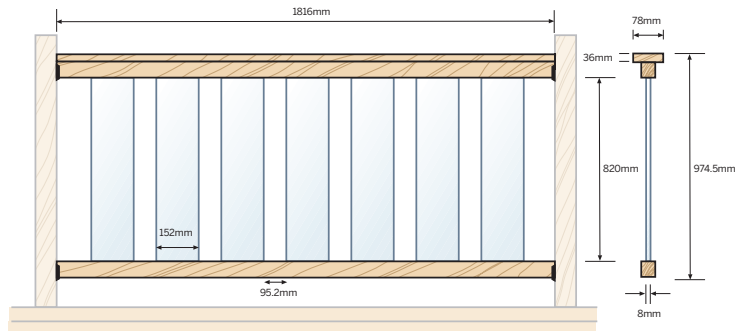
## CLEARVIEW

**One kit comprising:**

7 x Clear tempered safety glass panels  
 820mm x 152mm x 8mm  
 1 x 1816mm Railing Kit (3 rail pieces per kit)  
 All fixings to assemble included (except posts)  
 Code 118682

Posts not included

Finished size of balustrade panel:  
 1816mm wide x 970mm high  
 Handrails and baserails are made from  
 pressure-treated softwood

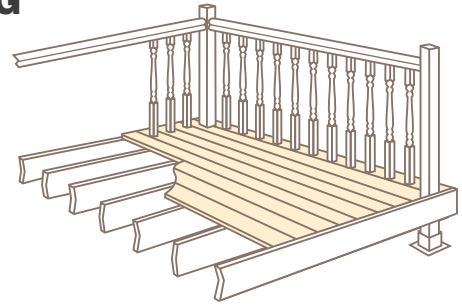




# A GENERAL GUIDE FOR CONSTRUCTING A DECK

## IMPORTANT INFORMATION ABOUT YOUR DECKING

- Always pre-drill pilot holes prior to fixing with screws.
- Use stainless steel screws and fixings to eliminate rust stains.
- Keep posts out of contact with the ground or standing water.
- To maintain the colour of your deck treat it with a pigmented stain or oil. Without treatment, exposure to UV light will cause the colour to fade.



**SAFETY FIRST** WEAR GLOVES TO AVOID SPLINTERS. AVOID PROLONGED INHALATION OF SAWDUST FROM WOOD.

**WHEN USING POWER TOOLS** WEAR SAFETY GOGGLES TO PROTECT YOUR EYES FROM THE POSSIBILITY OF FLYING PARTICLES.

### TOOLS REQUIRED

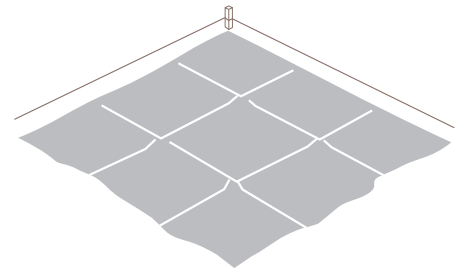
Spade	Drill and hammer
Straight edge or chalk line	Screwdriver
Spirit level	Hand/Power saw
Suitable fixings	Metal post supports (optional)

## STEP 1 PREPARING THE SITE

Mark out desired area for deck with wooden pegs and string. This will help you visualise the size of the finished deck and act as a guide to preparing the site.

All earthed areas should be covered with weed control membrane to stop weeds and other growth. If your ground is flat and level you can proceed to Step 3.

However, if you wish to raise the deck from ground level or the ground is uneven or sloped, you should proceed to Step 2.

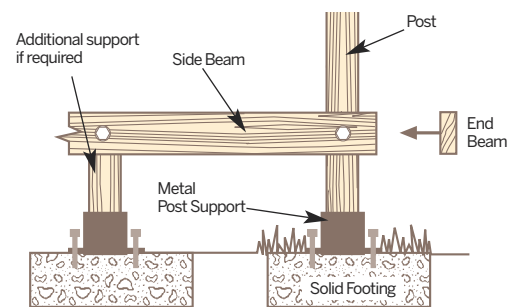


## STEP 2 RAISED DECK

If you choose to raise your decked area, the raised deck will need to be supported with posts. In most circumstances a distance of 1.8m between posts should be sufficient. This may vary depending on the joist size, fixings used and the potential loading. Posts will be required to support central joists as well as the perimeter frame.

If required, posts can be fixed by either concreting the post directly into the ground or using metal supports\* (see diagram opposite). Using a level, find the desired floor height on the posts and mark this accordingly. This should provide you with the position of the top of your deck board and therefore enable you to identify the joist position for fixing. Secure the joists using suitable fixings, for example joist hangers, screws or coach screws.

\*THIS METHOD IS RECOMMENDED IF YOU ARE USING THERMOWOOD® POSTS.

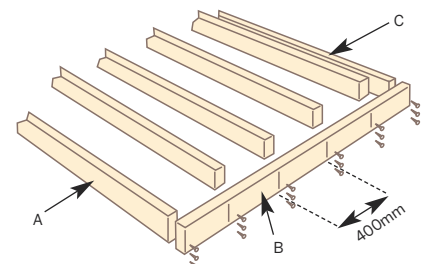


## STEP 3 FRAMEWORK

Cut the side joists (A) that will form the sides of the deck to the size you require and mark the position of the floor joists (B) at 400mm centres. Cut the deck floor joists (C) to length and place the floor joists in position where the deck is required. Assemble the framework using 3 screws, or alternatively joist hangers, per joist end.

### PLEASE NOTE:

SCREWING THROUGH THE SIDE BEAM INTO THE END OF JOISTS IS ONLY RECOMMENDED FOR GROUND LEVEL DECKS.





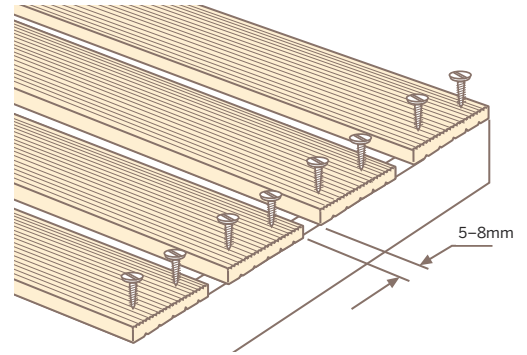
## STEP 4 FIXING DECK BOARDS

Cut your deck boards to the required length. Place the first board with the end flush with the face of the front of the deck.

Fix this first board to each joist and always pre-drill a pilot hole prior to fixing. The gap between your boards should be 5-8mm for drainage\*.

Place the next board parallel to the first and continue in the same way until the last board is laid.

**\*PLEASE NOTE:**  
THIS WILL VARY FOR COMPOSITE  
DUE TO THE DIFFERENT FIXING SYSTEM.



## HOW MUCH DO I NEED?

### USING 150MM WIDTH NOMINAL SIZE DECK BOARDS

Metres	1	2	3	4	5	6	7	8	9	10
1	7	14	21	28	35	42	49	56	63	70
2	14	28	42	56	70	84	98	112	126	140
3	21	42	63	84	105	126	147	168	189	210
4	28	56	84	112	140	168	196	224	252	280
5	35	70	105	140	175	210	245	280	315	350
6	42	84	126	168	210	252	294	336	378	420
7	49	98	147	196	245	294	343	392	441	490
8	56	112	168	224	280	336	392	448	504	560
9	63	126	189	252	315	378	441	504	567	630
10	70	140	210	280	350	420	490	560	630	700

Use for 150mm Softwood, GrasseDeck® and Hardwood deck boards

### USING 125MM WIDTH NOMINAL SIZE DECK BOARDS

Metres	1	2	3	4	5	6	7	8	9	10
1	8	16	24	32	40	48	56	64	72	80
2	16	32	48	64	80	96	112	128	144	160
3	24	48	72	96	120	144	168	192	216	240
4	32	64	96	128	160	192	224	256	288	320
5	40	80	120	160	200	240	280	320	360	400
6	48	96	144	192	240	288	336	384	432	480
7	56	112	168	224	280	336	392	448	504	560
8	64	128	192	256	320	384	448	512	576	640
9	72	144	216	288	360	432	504	576	648	720
10	80	160	240	320	400	480	560	640	720	800

Use for 125mm Softwood, Walksure and ThermoWood® deck boards

### USING 140MM WIDTH DECK BOARDS

Metres	1	2	3	4	5	6	7	8	9	10
1	7	14	21	28	35	42	49	56	63	70
2	14	28	42	56	70	84	98	112	126	140
3	21	42	63	84	105	126	147	168	189	210
4	28	56	84	112	140	168	196	224	252	280
5	35	70	105	140	175	210	245	280	315	350
6	42	84	126	168	210	252	294	336	378	420
7	49	98	147	196	245	294	343	392	441	490
8	56	112	168	224	280	336	392	448	504	560
9	63	126	189	252	315	378	441	504	567	630
10	70	140	210	280	350	420	490	560	630	700

Use for 140mm Composite deck boards

**PLEASE NOTE:** THE NUMBER OF BOARDS MAY VARY DEPENDING ON THE DESIGN AND SHAPE OF YOUR DECK.

**CHECK** THE AMOUNT YOU NEED BEFORE YOU BUY, AS YOU MAY NEED ADDITIONAL BOARDS.

**THE TABLES** INCLUDE THE GAPS REQUIRED BETWEEN THE BOARDS.



Scan this code with your SMART phone to view online deck installation videos or visit [www.metsawood.co.uk](http://www.metsawood.co.uk)





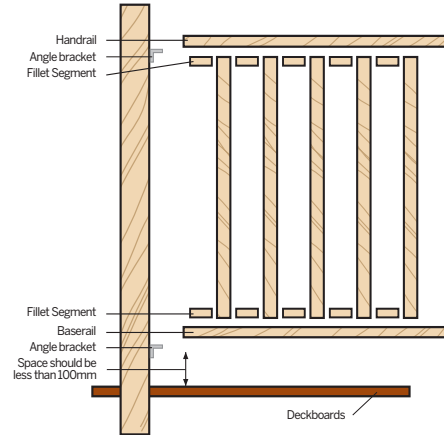
# INSTALLING A SOFTWOOD BALUSTRADE SYSTEM

## A simple guide to installing a balustrade on your decked area.

**NOTE:** IF YOU HAVE PURCHASED A BALUSTRADE KIT, PLEASE REFER TO P.21 FOR FITTING GUIDELINES TO BS6180: PART 2.

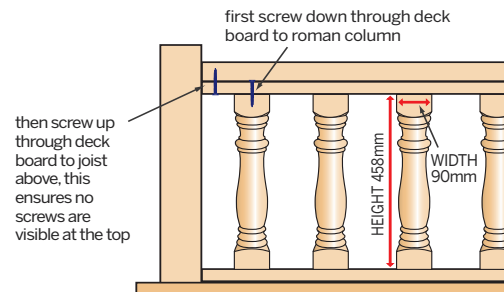
### SQUARE OR TURNED BALUSTRADE

- Attach the base rails in between the posts using angle brackets, at a maximum of 99mm height above the deck
- Cut the fillet section into maximum 99mm segments
- Inlay segments of 99mm fillet followed by a spindle-sized gap. Fillets should be secured to the base rail with panel pins
- Repeat this process for the handrail
- Insert all of the spindles into the gaps left between the fillet and cover with the hand rail. You may wish to use wood glue before inserting the spindles
- Fix the handrail to the posts using angle brackets



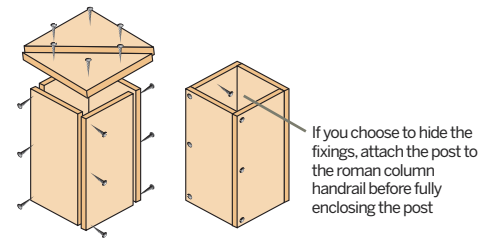
### ROMAN COLUMNS

- Screw down through deck board to roman column
- Screw up through deck board to joist above; this ensures no screws are visible at the top



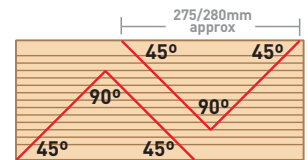
### ROMAN COLUMN DECK BOARD END POST - ASSEMBLY

- It is important to treat any exposed timber with a suitable end grain preserver to help protect against rot and decay
- Cut four lengths of deck board to the desired height to match your roman column wall
- Secure these together as shown (left) to create a complete post



### ROMAN COLUMN POST CAP - ASSEMBLY

- Cut two triangles from the end of a deck board; these will form the top of the post





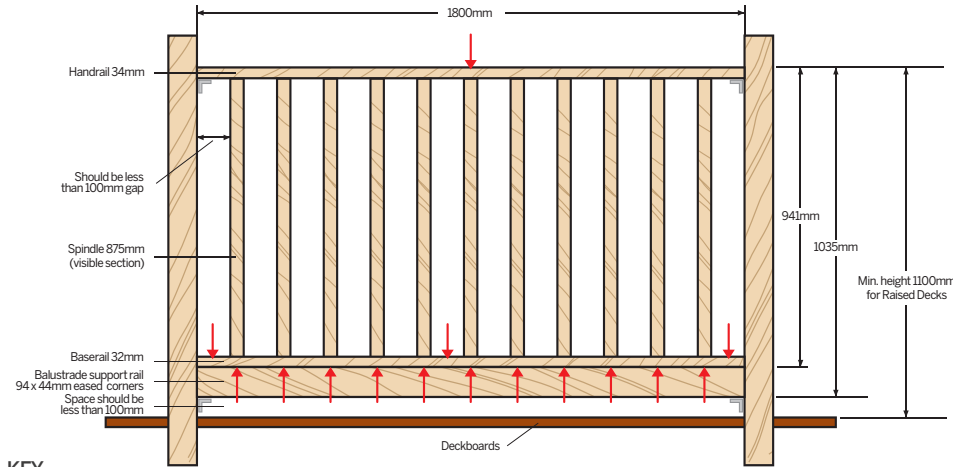
# BALUSTRADE FIXING REQUIREMENTS IN ACCORDANCE WITH BS 6180: PART 1

Should you wish to construct your balustrade to meet this standard and comply with the relevant building regulations, use the diagrams below for component fixing requirements.

A full summary of balustrade applications is shown overleaf.

BALUSTRADE SYSTEM	BALUSTRADE FIXING REQUIREMENTS IN ACCORDANCE WITH BS6180: PART 1
Square spindle	Refer to illustration below
Turned spindle	Refer to illustration below
Roman column	N/A
Tuscany	The gap between the base rail and the deck should be less than 100mm.
Traditional	The gap between the base rail and the deck should be less than 100mm.
Clearview	The clearview kit needs an additional balustrade support rail. Refer to illustrations of the square and turned spindle below. The gap between the base rail and the deck should be less than 100mm.

## SQUARE SPINDLE



- KEY**
- ↑ Screw fixings required
  - ▣ Angle brackets required

### SCREW FIXINGS

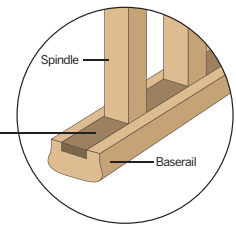
Fixings with No.10 x 75mm screw  
 Single screw fixed vertically through handrail into centre spindle  
 Single screw fixed vertically through baserail to each spindle  
 Three screws fixed vertically through baserail into support rail

### ANGLE BRACKET FIXINGS

40 x 40mm Coated Angle Bracket  
 Angle Bracket to Handrail 2 screws, No. 4 x 25mm  
 Angle Bracket to Post 2 screws, No. 4 x 30mm  
 Angle Bracket to support rail 2 screws, No. 4 x 30mm

### FILLET FIXINGS

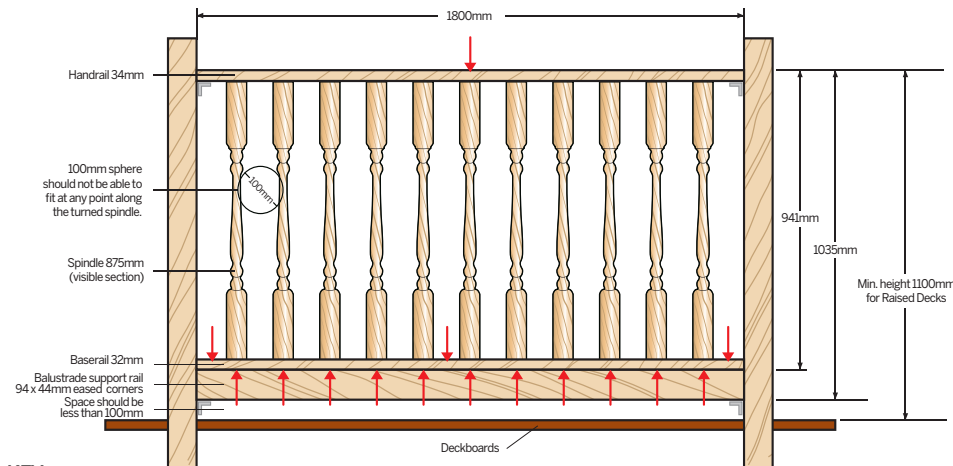
Fixing of Fillet: 30mm pins as requested – See diagram below



**Fillet**  
 Diagram shows the fillet, that fits into the grooves between each spindle.

**NOTE:** THESE FIXINGS ARE THE MINIMUM REQUIREMENTS.

## TURNED SPINDLE



- KEY**
- ↑ Screw fixings required
  - ▣ Angle brackets required

### SCREW FIXINGS

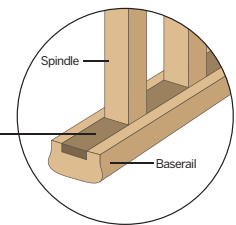
Fixings with No.10 x 75mm screw  
 Single screw fixed vertically through handrail into centre spindle  
 Single screw fixed vertically through baserail to each spindle  
 Three screws fixed vertically through baserail into support rail

### ANGLE BRACKET FIXINGS

40 x 40mm Coated Angle Bracket  
 Angle Bracket to Handrail 2 screws, No. 4 x 25mm  
 Angle Bracket to Post 2 screws, No. 4 x 30mm  
 Angle Bracket to support rail 2 screws, No. 4 x 30mm

### FILLET FIXINGS

Fixing of Fillet: 30mm pins as requested – See diagram below



**Fillet**  
 Diagram shows the fillet, that fits into the grooves between each spindle.

**NOTE:** THESE FIXINGS ARE THE MINIMUM REQUIREMENTS.



# CATEGORISATION OF BALUSTRADES IN ACCORDANCE WITH BS 6399: PART 1\*

TYPE OF OCCUPANCY FOR PART OF THE BUILDING OR STRUCTURE	EXAMPLES OF SPECIFIC USE	TURNED SPINDLE	SQUARE SPINDLE	TRADITIONAL	CLEARVIEW	TUSCANY
A - Domestic and residential activities	(i) All areas within or serving exclusively one single family dwelling including stairs, landings, etc, but excluding external balconies and edges of roofs (see C3 (ix))	✓	✓	✓	✓	✓
	(ii) Other residential (but also see C)	✓	✓	-	✓	-
B and E - Offices and work areas not included elsewhere including storage areas	(iii) Light access stairs and gangways not more than 600mm wide	✓	✓	✓	✓	✓
	(iv) Light pedestrian traffic routes in industrial and storage buildings except designated escape routes	✓	✓	✓	✓	✓
	(v) Areas not susceptible to overcrowding in office and institutional buildings also industrial and storage buildings except as given above	✓	✓	-	✓	-
C - Areas where people may congregate	(vi) Areas having fixed seating within 530mm of the barrier, balustrade or parapet	✓	✓	-	✓	-
C1/C2 - Areas with tables or fixed seating	(vii) Restaurants and bars	✓	✓	-	✓	-
C3 - Areas without obstacles for moving people and not susceptible to overcrowding	(viii) Stairs, landings, corridors, ramps	✓	✓	-	✓	-
	(ix) External balconies and edges of roofs. Footways and pavements within building cartilage adjacent to basement/sunken areas	✓	✓	-	✓	-
	(x) Footways or pavements less than 3m wide adjacent to sunken areas	✓	✓	-	✓	-
C5 - Areas susceptible to overcrowding	(xi) Theatres, cinemas, discotheques, bars, auditoria, shopping malls, assembly areas, studio. Footways or pavements greater than 3m wide adjacent to sunken areas	-	-	-	-	-
D - Retail areas	(xiii) All retail areas including public areas of banks/building societies or betting shops. For areas where overcrowding may occur, see C5	-	✓	-	✓	-
F/G - Vehicular	(xiv) Pedestrian areas in car parks including stairs, landings, ramps, edges or internal floors, footways, edges of roofs	-	✓	-	✓	-

\* METSÅ WOOD TIMBER BALUSTRADE SYSTEMS WERE TESTED UNDER HORIZONTAL IMPOSED LINE LOAD AND POINT LOAD IN ACCORDANCE WITH BS6180 BARRIERS IN AND ABOUT BUILDINGS, TO ALLOW THE CHANNELS TO BE CLASSIFIED FOR USE IN ACCORDANCE WITH BS6399 PART 1, LOADING FOR BUILDINGS; CODE OF PRACTICE FOR DEAD AND IMPOSED LOADS.



# KEY FEATURES & MAINTENANCE

All Metsä Wood decking products are made to exacting quality standards. The following notes provide details of what the symbols used throughout this brochure mean.

PLEASE REFER TO INDIVIDUAL PRODUCT PAGES FOR DETAILS OF WHICH FEATURES APPLY TO SPECIFIC RANGES. ALL OUR PRODUCTS ARE MADE TO THE HIGHEST QUALITY AND ADHERE TO THE FOLLOWING CRITERIA:

Products in this brochure which are certified in accordance with the rules of the Programme for the Endorsement of Forest Certification (PEFC) or the Forest Stewardship Council A.C. (FSC) are highlighted accordingly.



The DeckMark® and DeckMark Plus™ Certification Schemes recognise quality assurance standards and confirm the products within this brochure are fit for purpose and of the highest standard.

[www.metsawood.co.uk](http://www.metsawood.co.uk)  
for further details



PRECISION FINISH

## PRECISION FINISH

We select only the highest quality joinery grade timber and machine to exacting standards.



MATCHING ACCESSORIES

## MATCHING ACCESSORIES

A range of posts and balustrading are available to complement some ranges.



CHEMICAL FREE

## CHEMICAL FREE

The wood is free from any chemicals but, due to heat treatment, still has all the properties of a preserved timber.



KILN DRIED

## KILN DRIED

The timber is placed in a kiln and dried to reduce moisture and resin content. This increases durability and makes the wood more stable.



LEGAL & SUSTAINABLE

## LEGAL & SUSTAINABLE

The timber used in this product has been legally sourced and procured from sustainable and well managed forests.



10 YEAR GUARANTEE

## GUARANTEE

10 year or 15 year guarantee against rot and fungal decay, subject to correct installation and treatment of cut timber.



LOW MAINTENANCE

## LOW MAINTENANCE

Requires no waterproofing, painting, staining, or similar maintenance when used in many exterior applications; only requires periodic cleaning.



CERTIFIED TIMBER

## CERTIFIED TIMBER

To either FSC™ or PEFC® standards



LOW SLIP

## LOW SLIP

Independently tested and conforms to having a low potential for slip.



PRESERVATIVE TREATED

## PRESERVATIVE TREATED

All timbers are treated with a vacuum and pressure cycle in accordance with BS8417 and the appropriate outdoor wood Use Class defined in BSEN335 Part1. Treatment makes the wood highly durable, resistant to fungal decay and prolongs the product's life. Salting (white specks on the surface) appears after a while, but this is just a natural part of the process and a sign of quality. Once weathered the salting will disappear and the green colour will mellow to provide a warm yellow feel.



TEMPERED GLASS

## TEMPERED GLASS

Has increased strength and if broken breaks into small cuboid fragments rather than irregular shards making it a safe option when children are present.



For more information and a list of stockists in your area visit [www.metsawood.co.uk](http://www.metsawood.co.uk) or call 0800 00 44 44

Metsä Wood is a wood products company delivering service-oriented solutions developed in collaboration with its customers. Its premium solutions are based on ecological, high quality Nordic wood as a raw material.

Wood is the only building material that is truly renewable, if well managed. Forest certification schemes give assurance that the timber is legal and from sustainable sources. Metsä Wood sources certified timber over uncertified and is an approved Chain of Custody supplier.

MW0012 May 12.

The photographs in this brochure are for illustration purposes only.

Metsä Wood reserves the right to change the range without notice.

Every effort has been made to ensure that colours are accurate within the limitations of natural lighting conditions and the four colour printing process.

**METSÄ WOOD**

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