

New Jiang Wan Cultural Center, Shanghai CHINA by RTKL

CLADDING

DECKING

CEILING

SHADING

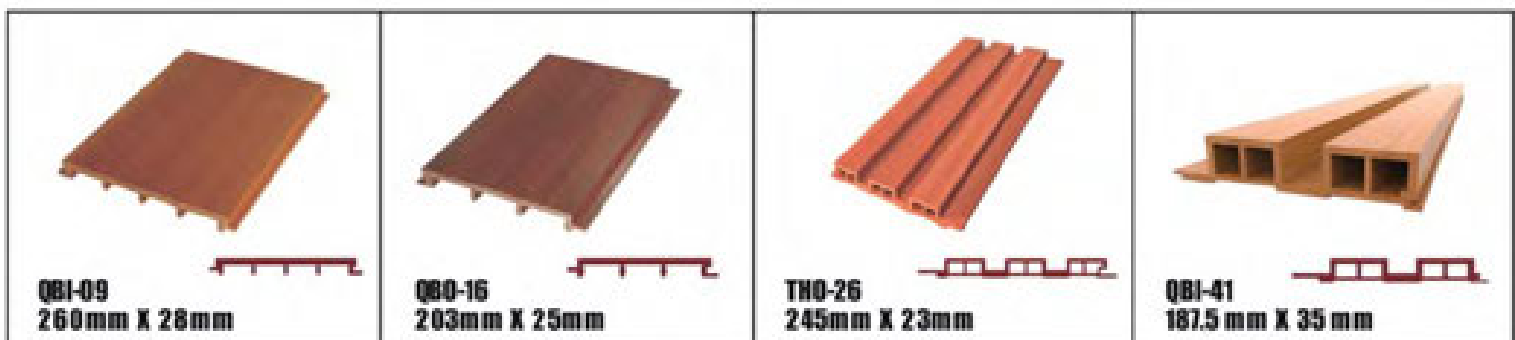
CLADDING



CLADDING EXTERNAL CLADDING

KINGWOOD exterior wall cladding is designed specifically for outdoor applications with low maintenance. While maintaining the natural wood texture, KINGWOOD exterior cladding also focuses on solving the special requirements of outdoor building environmental applications, such as building insulation, energy-saving, material-saving, anti-UV, anti-aging and anti-deformation. It has become the first environmentally friendly wooden product which can meet the requirements of external application.

PROFILES



ACCESSORIES SUPPLIED BY KINGWOOD

| | | | | |
|---|---|--|---|--|
|  <p>SBT-24 ALU CORNER FINISH FOR QBI-24</p> |  <p>SBT-70 70 ALU CORNER FINISH</p> |  <p>SBT-38 #38 ALU CORNER FINISH</p> |  <p>SBT-135 135 ALU CORNER FINISH</p> |  <p>SBT-02 ALU CORNER FOR QBI-41</p> |
|---|---|--|---|--|

ACCESSORIES NOT SUPPLIED BY KINGWOOD

| | | | | |
|--|---|---|---|--|
|  <p>Multi-purpose Button Head Screw 8 Gauge x 25mm. Used to fix the Stainless Steel clips for walls into both timber and up to 3.0mm BMT Steel</p> |  <p>Buildex M6X58 Dec-King screw, used to face fix first and last boards into Timber Frame.</p> |  <p>Buildex 10X45 WingTeks used to face fix first and last boards. Into Steel Frame</p> |  <p>WKK-09 STAINLESS STEEL CLIP</p> |  <p>WKK-28 STAINLESS STEEL CLIP FOR QBI-41</p> |
|--|---|---|---|--|

INSTALLATION OVERVIEW



QBI-09 and QBI-16 Second Board Installation



THO-26 Second Board Installation





CLADDING

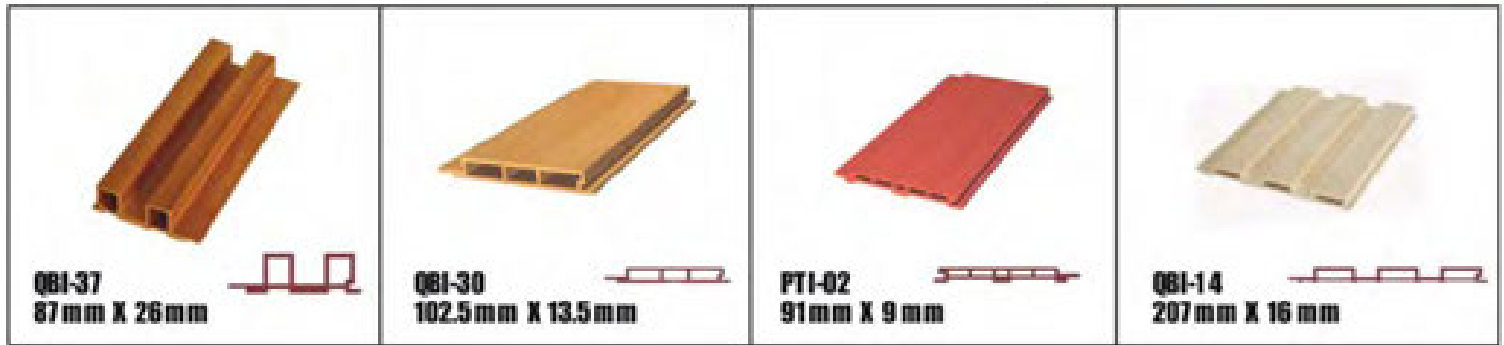
CLADDING INTERNAL CLADDING

KINGWOOD Interior Cladding offers a tremendous range of architectural decorative features and functions. Their performance characteristics include: consistency, durability, low maintenance requirements. The acoustic panel is equipped with air pockets which offer an additional insulation layer, thus adding a great thermal and acoustic blanket to your building. With no two panels being alike, KINGWOOD Interior Wall Cladding creates a true timber feel and appearance.

PROFILES

| | | | |
|--|---|---|--|
|  <p>QBI-01 158mm X 9mm</p> |  <p>QBI-05 159mm X 10mm</p> |  <p>QBI-21 90mm X 25mm</p> |  <p>QBI-22 202.5 mm x 30mm</p> |
|--|---|---|--|

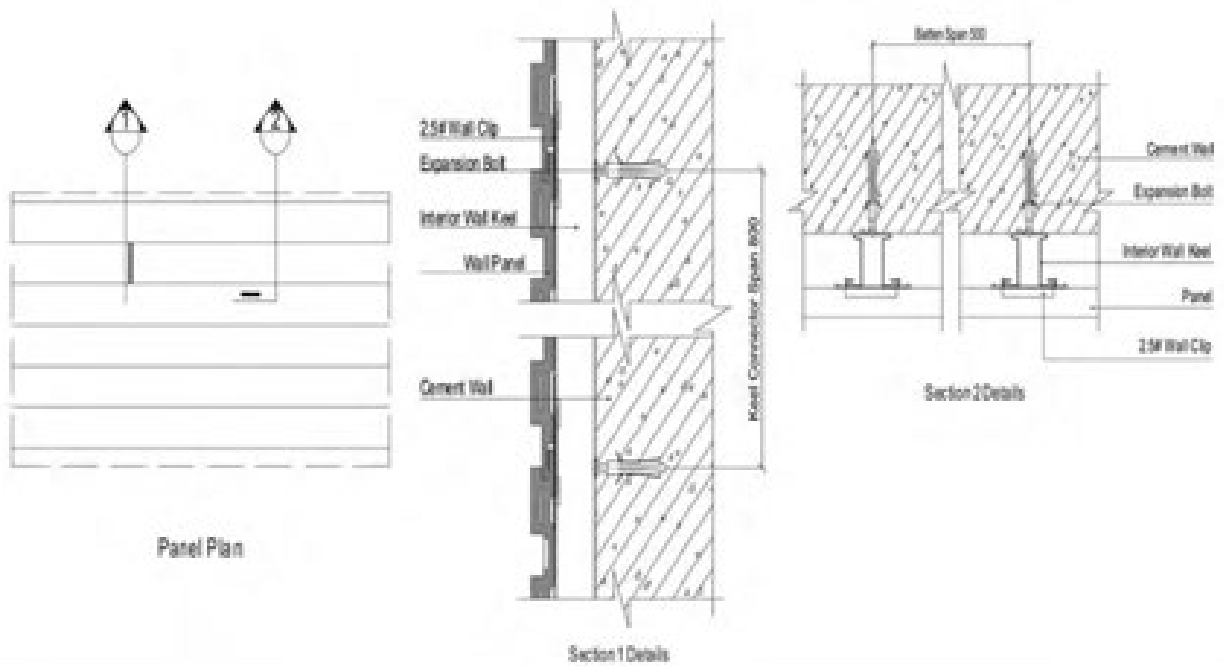
PROFILES



ACCESSORIES



INSTALLATION GUIDE





DECKING

DECKING RESIDENTIAL & COMMERCIAL

The natural performance of KINGWOOD Decking can effectively reduce sun reflection, absorption of ultraviolet infrared radiation, give the application vigour, and make the space bright and open. KINGWOOD decking is able to regulate the temperature to cool in summer and warm in winter. KINGWOOD decking is prefinished with 2 anti-UV coating. The installation of KINGWOOD Decking is very simple which ultimately is a great product for the DIY Market.

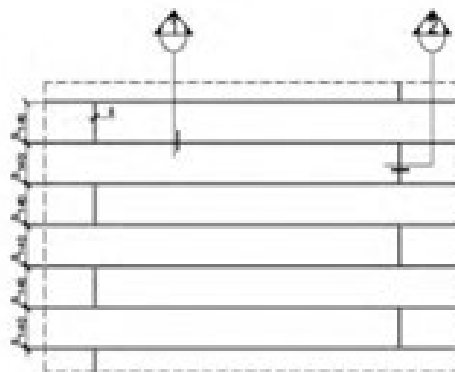
FEATURES

- Will not crack & split
- Energy & Material Saving
- Anti-UV, Anti-aging and Anti-deformation
- Natural wood grain & texture
- Fire resistant & Water resistant
- Low maintenance costs

PROFILES & ACCESSORIES

| | | | |
|--|---|--|--|
|  <p>DBO-13 90mm X 25mm</p> |  <p>DBI-14 140mm X 25mm</p> |  <p>DBI-07 90mm X 32mm</p> |  <p>DBI-11 140mm X 32mm</p> |
|  <p>DBK-16 & DBK-20 DECKING CLIPS</p> |  <p>STARTER CLIP</p> |  <p>Buildex FiberZips® M5-18 x 30mm CSK Rib</p> |  <p>Buildex Dec-King® 12g x 58mm CSK</p>  <p>Buildex, WingTek® 10 x 45mm CSK</p> |

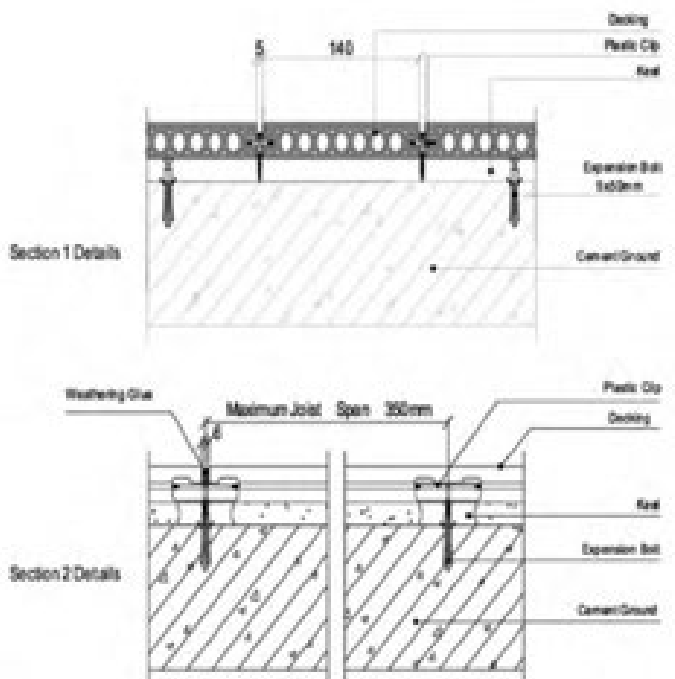
INSTALLATION GUIDE



Elevation Plan

Installation Guidelines:

1. Install the keel and level them in a flat level. Position the boards in place with plastic clips. Gap the boards firm to allow for the minimal expansion as well as drainage purpose.
2. To fasten the deck, use stainless steel trim head screws to minimize the chance of metal expansion or stain.
3. In the mud installation, a span of 300mm on center will be recommended to use a minimum of 2 keels/parts to provide the best support.



CURVED CEILING

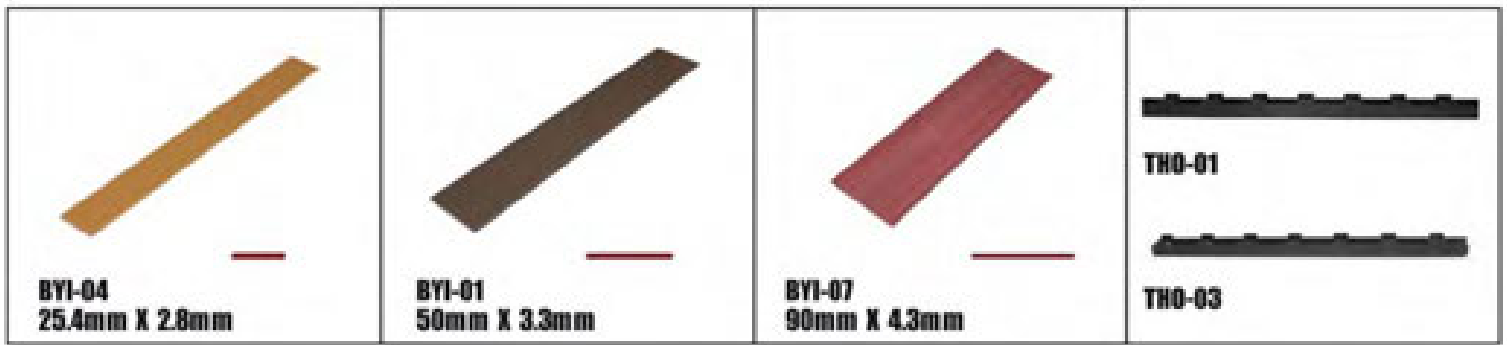


CEILING CURVED CEILING

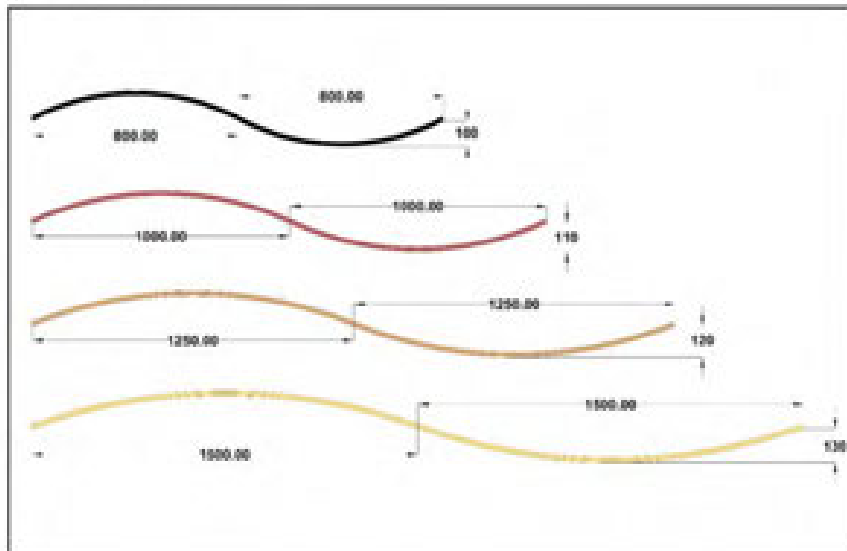
KINGWOOD Ceilings can be used in large commercial application and residential buildings. KINGWOOD Ceilings set themselves apart from other ceiling products in showing its uniqueness with odd-shaped designs. KINGWOOD ceilings are unique in their design and installation, ultimately leading to an attractive and easy to install system.

PROFILES





Radius Configuration



Installation Patterns












LINEAR CEILING

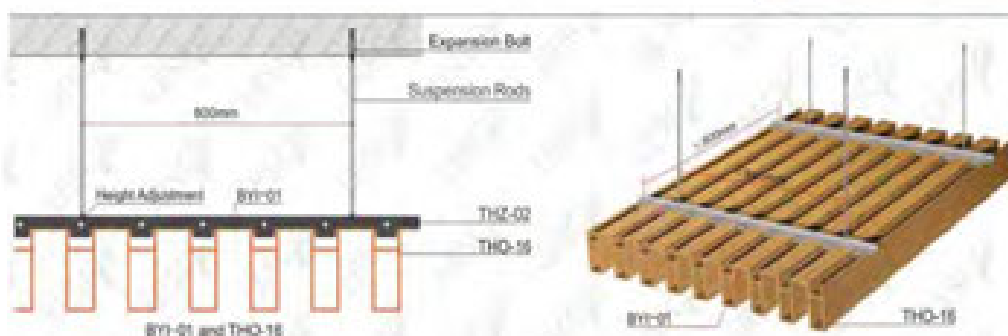
CEILING LINEAR CEILING

KINGWOOD Ceilings can be used in large commercial application and residential buildings. KINGWOOD Ceilings set themselves apart from other ceiling products in showing its uniqueness with odd-shaped designs. KINGWOOD ceilings are unique in their design and installation, ultimately leading to an attractive and easy to install system.



| SPACING SPACER KEELS PROFILES | 20 mm SPACING | | 44 mm SPACING | | | 80 mm SPACING | |
|--|----------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | BY1-04 25.4 mm X 2.8 mm | BY1-04 25.4 mm X 2.8 mm | BY1-01 50 mm X 3.3 mm | BY1-01 50 mm X 3.3 mm | BY1-01 50 mm X 3.3 mm | BY1-07 90 mm X 4.3 mm | BY1-07 90 mm X 4.3 mm |
| | TN2 - 03 | TN2 - 04B | TN2 - 01 | TN2 - 02 | TN2 - 04A | TN2 - 06 | TN2 - 05 |
|  TH0-08 100mm X 20mm | ✓ | | ✓ | | | ✓ | |
|  TH0-09 40mm X 45mm | ✓ | | | ✓ | | | ✓ |
|  TH0-14 20mm X 40mm | ✓ | | | ✓ | | | ✓ |
|  TH0-16 100mm X 40mm | ✓ | | | ✓ | | | ✓ |
|  TH0-21 50 mm X 25 mm | | ✓ | | | ✓ | | |
|  SUSPENSION RODS SET | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
|  XT0-10 CEILING STRIP 33 mm X 21 mm | AS REQUIRED | AS REQUIRED | AS REQUIRED | AS REQUIRED | AS REQUIRED | AS REQUIRED | AS REQUIRED |

INSTALLATION GUIDE



Installation Guide:

1. Ensure set out of the ceiling height is done, install the BY1-01 cornice trim detail around the perimeter of the wall.
2. The first row of metal keels are installed with a 150mm away from the walls. The maximum distance between keels should be no more than 800mm centres.
3. Keel height can be adjusted by the screws used in the suspender rods. The maximum distance between suspender rods is 600mm centres.
4. Once Keels are installed and secured install BY1-01 (spacers first) then snap the TH0-08 onto the Keel.

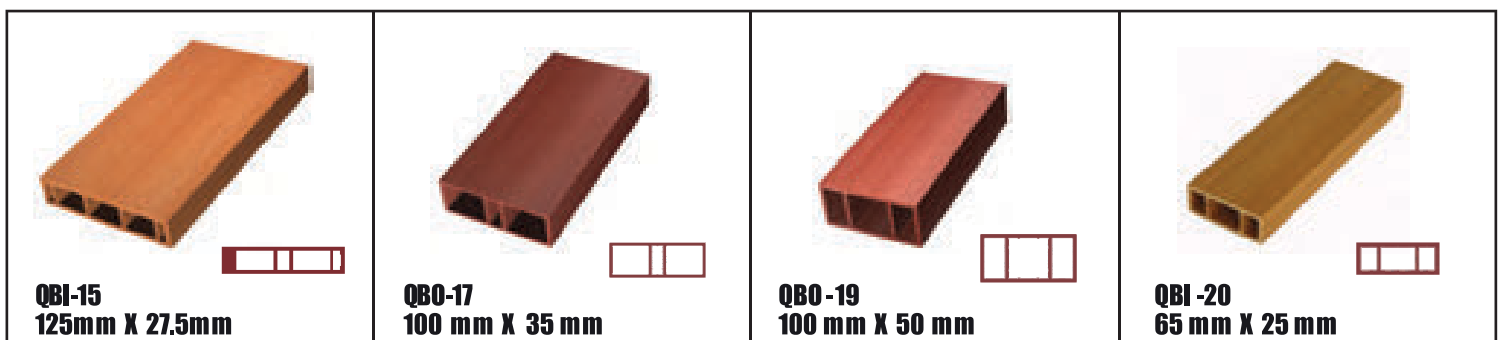
SHADING & LOUVER

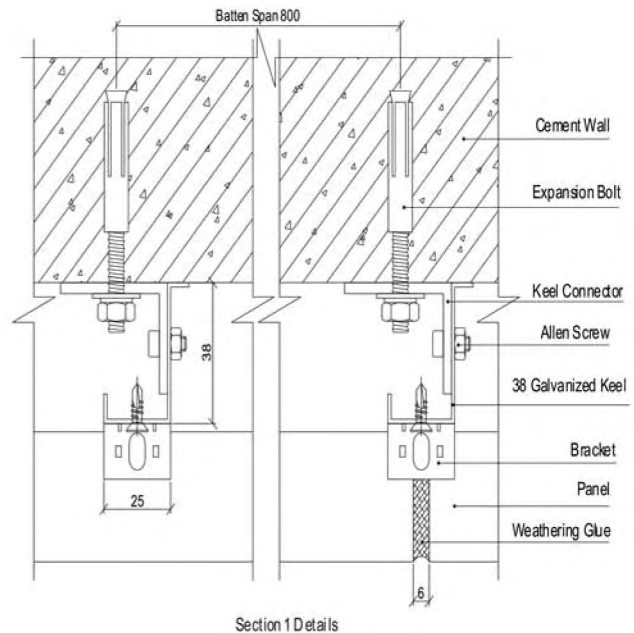
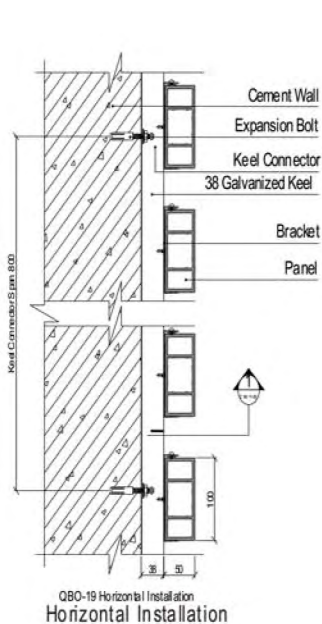
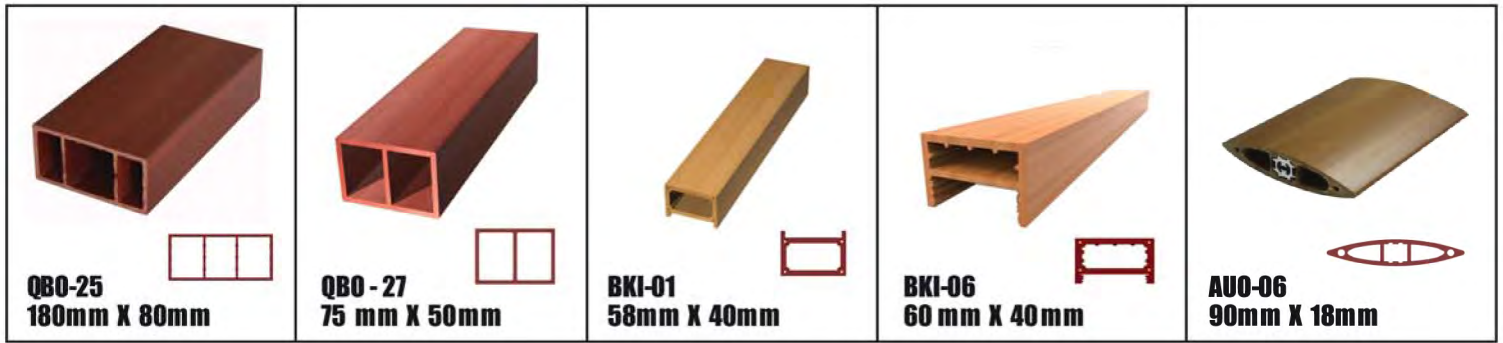


SHADING & LOUVER

KINGWOOD Shading & Louver products can effectively reduce solar radiation and refraction, ultimately decreasing energy consumption and increase the indoor thermal comfort. KINGWOOD Louver products have excellent appearance through its design and many configuration options.

PROFILES







FENCING

FENCING

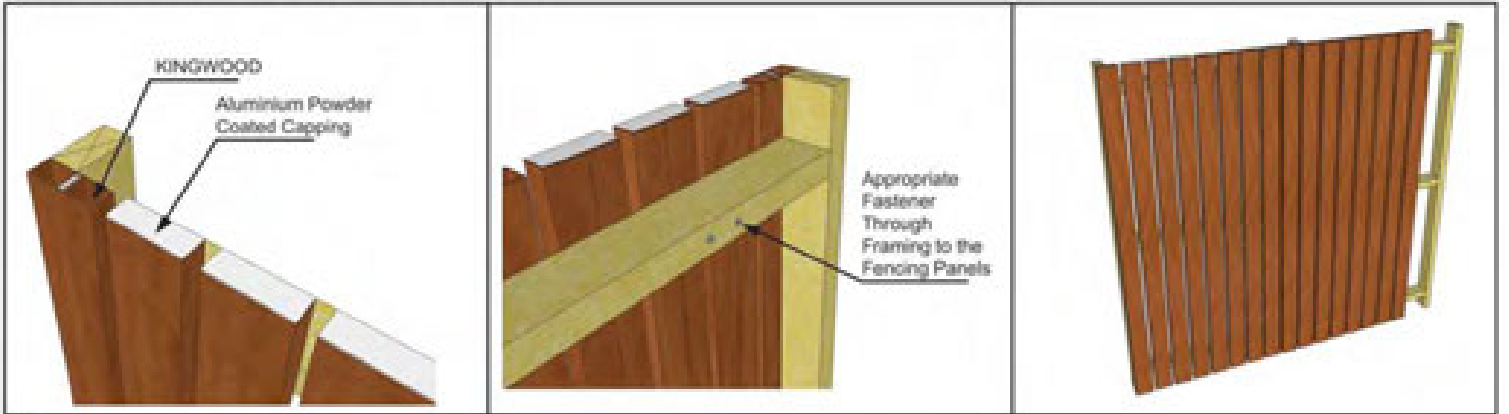
KINGWOOD Fencing are limitless by design, this is done by incorporating the many shading, cladding and decking options available from KINGWOOD. We have many design solutions to incorporate KINGWOOD products in a fencing application. Designs include vertical and horizontal layouts, various height configurations and colours.

PROFILES

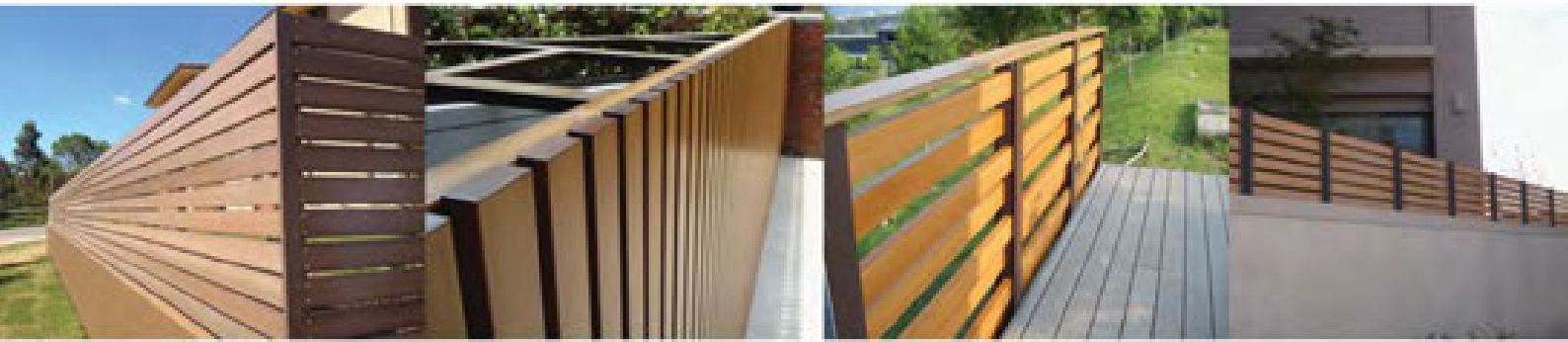
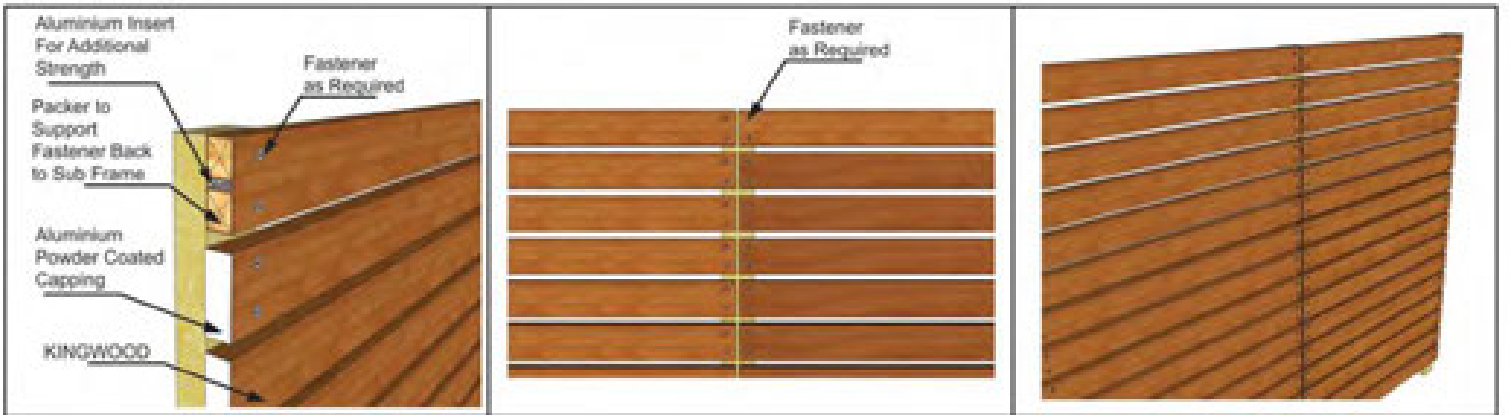
| | | | |
|--|---|---|---|
|  <p>QBI-15 125 mm X 27.5 mm</p>  |  <p>QBO-17 100 mm X 35 mm</p>  |  <p>DBO-13 90 mm X 25 mm</p>  |  <p>DBI-14 140 mm X 25 mm</p>  |
|--|---|---|---|

| | | | | |
|--|--|---|---|---|
|  <p>YPI-01 47 mm X 25 mm</p>  |  <p>AUG-01 90 mm X 18 mm</p>  |  <p>WFG-17 END CAP FOR QBO-17</p> |  <p>WFG-15 END CAP FOR QBI-15</p> |  <p>LJI-01 END CAP FOR YPI-01</p> |
|--|--|---|---|---|

VERTICAL FENCING INSTALLATION GUIDE



HORIZONTAL FENCING INSTALLATION GUIDE



OUTDOOR FURNITURE







OUTDOOR FURNITURE

Kingwood Composite timber with its ability to resist the outdoor elements and design flexibility ability is a perfect match for our outdoor furniture. Kingwood outdoor furniture combines the clean natural composite timber with a structurally sound support frame, designed to withstand the heavy duty requirements of outdoor living.

Kingwood Outdoor furniture is not confined to a single style nor colour allowing a limitless product range.

PROFILES

| | | | |
|---|---|---|--|
|  LGI-02 40mm X 30mm |  XTI-14 60mm X 15mm |  XT-01 30mm X 40mm |  XT-02 60mm X 40mm |
|---|---|---|--|

PROFILES





MAIN FEATURES

-  Building Insulation
-  Energy & Material Saving
-  Anti-UV, Anti-aging and Anti-deformation
-  Natural wood grain & texture
-  Fire resistant & Water resistant
-  Low maintenance costs

EXTERNAL COLOURS

AUSTRALIAN TIMBER SPECIES



CHERRY SPOTTED GUM BLACK BUTT BLUE GUM BRUSH BOX

EXTERNAL COLOURS

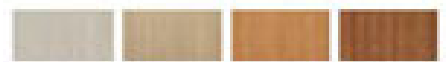


WHITE OAK CL 31 COCCOBOLD CL 32 VERANO CL 33 HICKORY CL 35 ROSEWOOD CL 36 WEATHERWOOD CL 34

SUSTAINABILITY

-  Made from up to 70% recycled hardwood waste
-  100% Recyclable
-  No glues or epoxy is used
-  No wastage as each profile is extruded straight and true without knots or imperfections.
-  High Impact Strength

INTERNAL COLOUR



CEDAR CL 20 MAPLE CL 21 TEAK CL 08 CHERRY CL 25



SAPELI CL 05 PADUK CL 12 WALNUT CL 07 BLACK WALNUT CL 09

SPECIFICATION

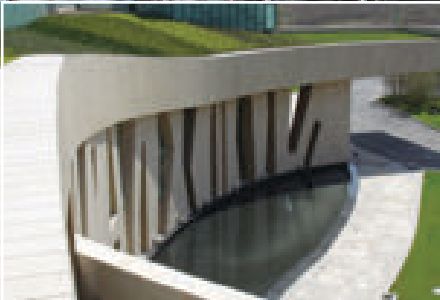
| Physical Properties | Testing Report | Standards | Attribute |
|----------------------------------|----------------|---------------------|--|
| Moisture Content | 7-584639-NN | AS/NZS 4266.3:2004 | 0.6% |
| Surface Water Absorption | 7-584639-NN | AS/NZS 4266.12:2003 | 0.006%/m ² |
| Specific Density | 7-584639-NN | AS/NZS 4266.4:2004 | 822kg/m ³ |
| Tensile Strength | 7-584639-NN | AS/NZS 4266.6:2001 | 1206N |
| Modulus of Elasticity | 7-584639-NN | AS/NZS 4266.5:2001 | 2120N |
| Formaldehyde Release | CV120301 | | <0.019mg/m ³ /hr |
| VOC | CV120301 | | <0.01mg/m ² /hr |
| Fire Hazard Property | 7-583292-CN | AS/NZS 3837 | Group 3 |
| Early Fire Hazard Indices | 7-583292-CN | | 445.8m ² /kg Average Specific Extinguishment Area (According to specification C1.10 of the building code of Australia) |
| Thermal Properties | U Value | | 4.29 W/m² K |
| Thermal Resistance Value | R Value | | 0.233 m² K/ W |

PRODUCTS CHARACTERISTICS





QUEST Service Apartment, Sydney Olympic Park by BUILT.



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350 Hume Highway Bankstown NSW 2200
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www.kingwood.com.au



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