
KWP
PRO PACK
The hand guide for
KWP PRODUCTS
Featuring
Install Guides,
Spec Sheets
& More!
www.kwpproducts.com

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Introduction

As one of North America's premier engineered wood siding manufacturers, we know how important it is to deliver a beautiful, high-quality product. Our pre-finished , engineered wood siding, delivers a warmth and authenticity to any architectural style. In order for you to have all this information at your fingertips, KWP has put together a Pro Pack, including product details, installation, best practice, specs and more!

KWP Eco-side™

Eco-side Collection

Eco-side®

Collection

Engineered Wood Siding

Nature at its best

KWP

Built on solid foundations.

For over four decades, KWP has been one of the world's leading manufacturers of premium building products.

We are committed to continuing to refine business strategies and activities that meet the needs of the enterprise today. KWP is dedicated to **protecting, sustaining and enhancing natural resources** that will be required in the future.

The wood we use to manufacture our Eco-side® collection contains 100% pre-consumer recycled content. KWP products are Eco-consciously manufactured with quality additives that increases strength, rigidity and durability while lessening our carbon footprint.

Easy to work with and stunning to look at, Eco-side® siding and trims are fit for any design.

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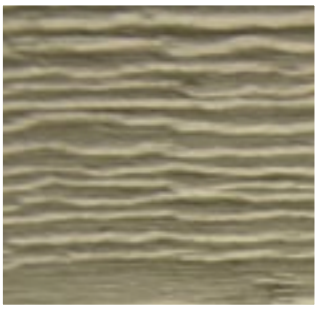
KWP Siding is FSC® Certified

FSC www.fsc.org FSC® C101700

Eco-side®
RUSTICS

The Rustic Collection brings a timeless, natural beauty to any architectural style. With a captivating color contrast of two-tones, your home will surely be the showstopper in your neighborhood.

Eco-side Rustics are available in 8".



ACADIA RUSTIC

GRAY RUSTIC

CEDAR RUSTIC

YELLOWSTONE RUSTIC

SIERRA RUSTIC

TORREFIED BROWN RUSTIC

WALNUT RUSTIC

GRANITE RUSTIC

For the most accurate color representation. Please use official KWP color chips.

HOME Designer 2.0

Visit our website and upload an image of your home to see how our Rustic collection will look on your home.

Eco-side® **BOLD**

The beauty, authenticity and warmth of wood siding but with a modern twist. Eco-side® **BOLD** provides a distinctively dramatic style with rich, warm colors that will endure through the years.

Eco-side BOLD is available in 6" & 8" woodgrain.

COFFEE

KHAKI

COUNTRY RED

COMMERCIAL BROWN

POLAR WHITE

PEARL GRAY

OLIVE

CACTUS

GRANITE

For the most accurate color representation, please use official KWP color chips.

Available also in:

Eco-side® Primed

Eco-side® embodies the authenticity of cedar lap siding.

- Long lasting durability
- Quick and easy installation
- Low maintenance

Pre-primed for a superior paint adhesion.

Stringently tested for extreme weather conditions.

Eco-side®
SMOOTH

Delivers the warmth and beauty of traditional wood in the silky smooth finish of engineered wood. Easy to work with and stunning to look at, smooth siding is fit for any design.

Eco-side Smooth is available available in 6".

COFFEE

KHAKI

SIERRA

WALNUT

COMMERCIAL BROWN

POLAR WHITE

PEARL GRAY

CACTUS

GRANITE

COUNTRY RED

For the most accurate color representation, please use official KWP color chips.

For exclusive color schemes
that bring your home to life, visit http://www.kwpproducts.com/color-trends

Hampton Shakes

Accent your home with rustic charm.

- Heavy duty 1/2" thickness, 30% thicker than competitive products.
- 7 7/8" wide and 4' long panels are perfect for accents or total coverage.
- Superior design allows for all nails to be hidden.

Woodbury Staggered Shakes

With the appearance and charm of authentic cedar shakes, Woodbury Staggered Shakes are the perfect accent for any home. They are ready to mix and match with Eco-side® siding and trims.
Woodbury Staggered Shakes are pre-primed for superior paint adhesion.

Stratford Vertical Siding & Soffit

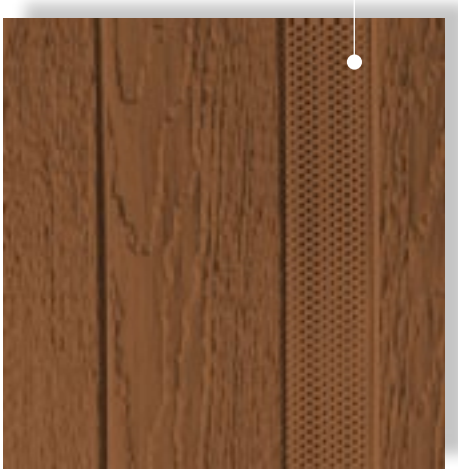
Elevate your homes' exterior by adding the luxury and warmth of engineered wood soffits. The perfect complement to your siding.

Stratford's primary application is as a soffit panel, however, it can also be used as siding and can be installed horizontally, vertically or diagonally.

No matter how it's used, it will add tremendous curb appeal to any home.

Venting Strip
Provides a continuous air flow to provide superior ventilation under the soffit

Install **Horizontally** or **Vertically**



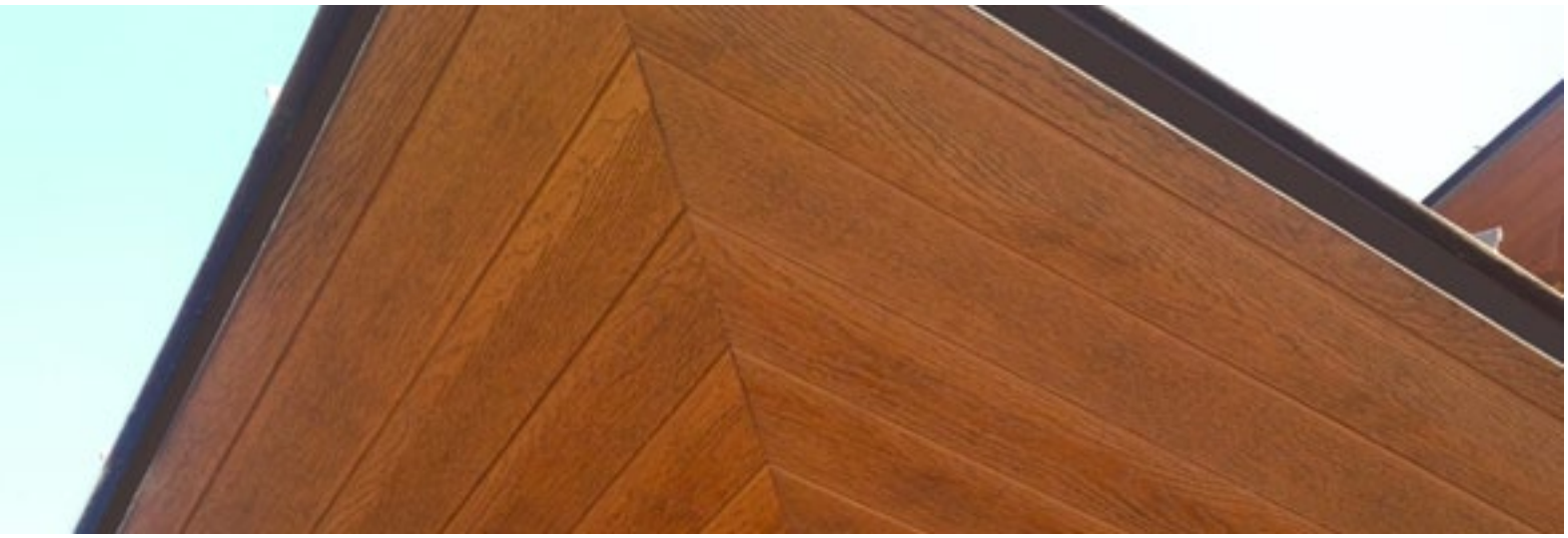

Cedar Rustic


Commercial Brown


Sierra Rustic


Yellowstone Rustic

For the most accurate color representation, please use official KWP color chips.

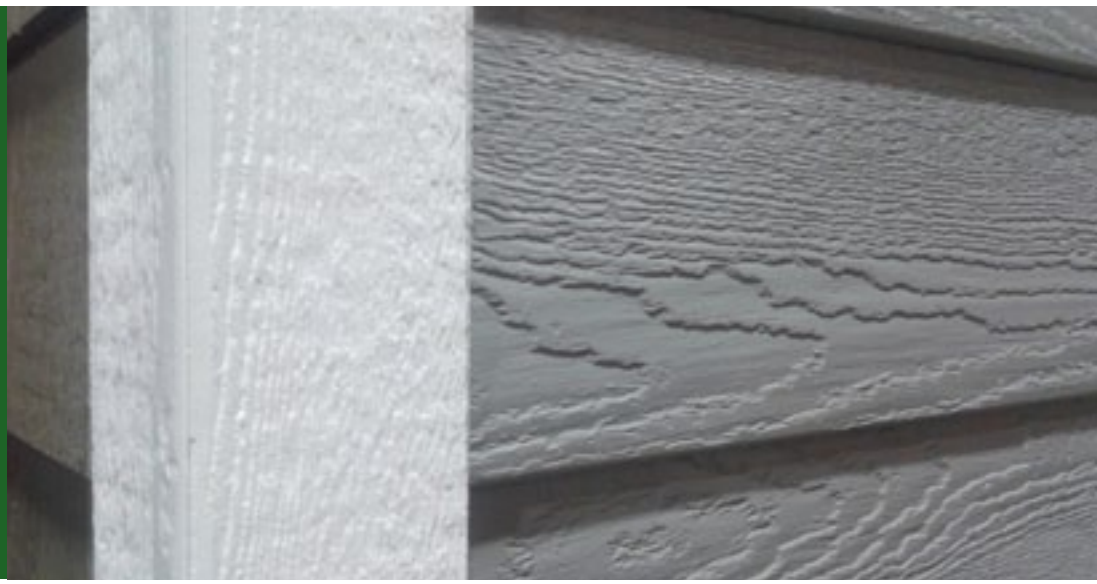


Enhance the beauty of any home design.

Trim Board & Corners

KWP engineered wood trim board adds the perfect finishing touch for all your windows and doors.

- Won't crack, split or rot.
- Available in a variety of sizes and thicknesses.
- Unparalleled warranty.



Trim Board

For windows and doors as an architectural accent.

Length per piece 12' (144")

Mitred 1 Piece Wood Corner

Add an outside corner post for more architectural details.

Length per piece 10' (120")

Available in various thicknesses and widths.
Please contact your local KWP representative for full availability.

Environmentally Responsible.

KWP leads the way in ecologically-conscious manufacturing of engineered wood siding and trim board. KWP has implemented stringent and effective measures to minimize our energy consumption in our eighteen manufacturing plants and distribution centers across North America.

At KWP, we use the best and latest technology to produce our Eco-side® wood siding and trim board, providing products to the building industry which are intrinsically better for our environment.

About
Our Unique Painting Process

At KWP, we take pride in delivering a low-maintenance, esthetically pleasing product. Our painting process plays a huge role in providing the authentic look of wood without any of the upkeep.

Here's our secret:

- **A sealant is applied at the pressing of the panel, ensuring superior adhesion between our first coat of primer and the substrate.**
- **Next, we have our 3-coat painting process: 1 coat of primer and 2 top coats. We use an industrial exterior latex paint, formulated specifically for our application process.**
- **State-of-the-art temperature controlled air drying equipment is used versus oven-baked. We do this to maintain the maximum level of flexibility of the paint. This is key to avoid damages to the paint film.**

KWP Technology at a Glance

Building green is easy with Eco-side®. Using 100% recycled content, Eco-side® is FSC certified and can contribute points to LEED projects.

Resistant to termite damage, rotting, cracking and splitting, Eco-side® is engineered to last.

Using state of the art engineering and manufacturing techniques, Eco-side® is 50% lighter than fiber cement siding, making the panel easier than ever to handle.

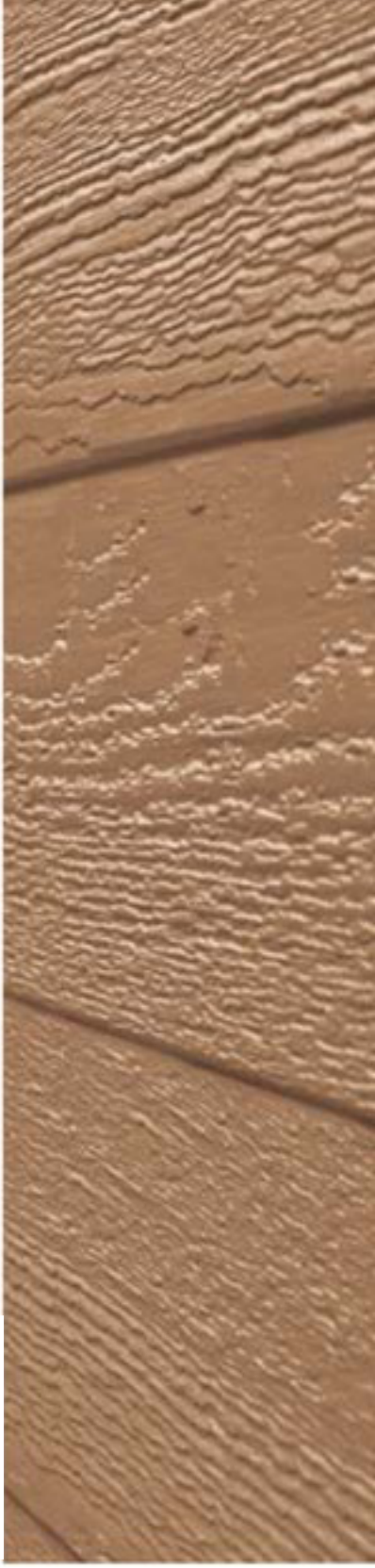
Available in 6" and 8" widths* with a 3/8" thickness. Length available in Eco-side® is 12' and Eco-side® smooth in 13'4". *

Once installed, Eco-side® nail hem is covered, eliminating the need for painted nails and ensuring a fresh clean look all around.

Upside down or right side up, Eco-side® can be installed however you please.

* Not all colors are available in both sizes

Eco-side
Installation



Eco-side Bold & Rustics
INSTALL GUIDE

Engineered Wood Siding

KWP

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FOREWORD

This Guide has been produced to help builders and contractors with the installation of KWP® siding and trim products. It is based on the safe and proven practices and also gives guidance on proper tools for working with KWP siding and trim products.

This guide should be read in conjunction with project drawings and specifications, applicable building codes, and relevant compliance documents.

As a result of continuous improvements, this document can be changed and it is important to always check if it is the up-to-date version and it is user's responsibility to check at KWP web site for the latest version.

CONTACT FOR MORE INFORMATION:
1 -888-657-5786
www.kwpproducts.com
info@kwpproducts.com

1. STORAGE

Compliance with KWP installation, storage and maintenance requirements and with the applicable building codes in your region is mandatory. Problems caused by failure to comply with these requirements and codes may not be covered under applicable warranties.

Warning

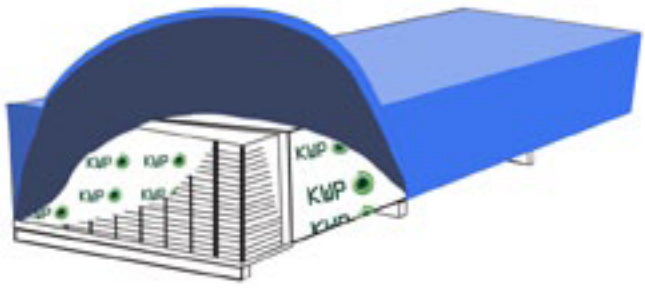
Do not install products which appear to be or which you believe to be non-conforming.
Before you begin, consult the applicable building codes in your region for requirements regarding the installation of siding, weather barrier (house wrap), caulking, etc.
Follow the manufacturer's instructions for installing the weather barrier and applying caulking.

- Store off the ground, on a flat surface on pallets to avoid sagging and contact with the ground.

- Siding must be covered and protected from the elements with a water resistant cover provided by KWP.

- Allow siding to adjust to atmospheric conditions prior to installation.

Do not store KWP Eco-Side siding in a heated building. This can affect the humidity content in the wood and make it susceptible to buckling.



As with all wood products, do not apply KWP Eco-Side siding to a structure where excessive moisture conditions exist such as drying concrete or plaster. Installation over new masonry walls is not recommended until walls are thoroughly dry. Where siding is applied over masonry construction, it must be installed over furring strips spaced 16" (400 mm) O.C. and of adequate thickness to accept the full length of the recommended nail

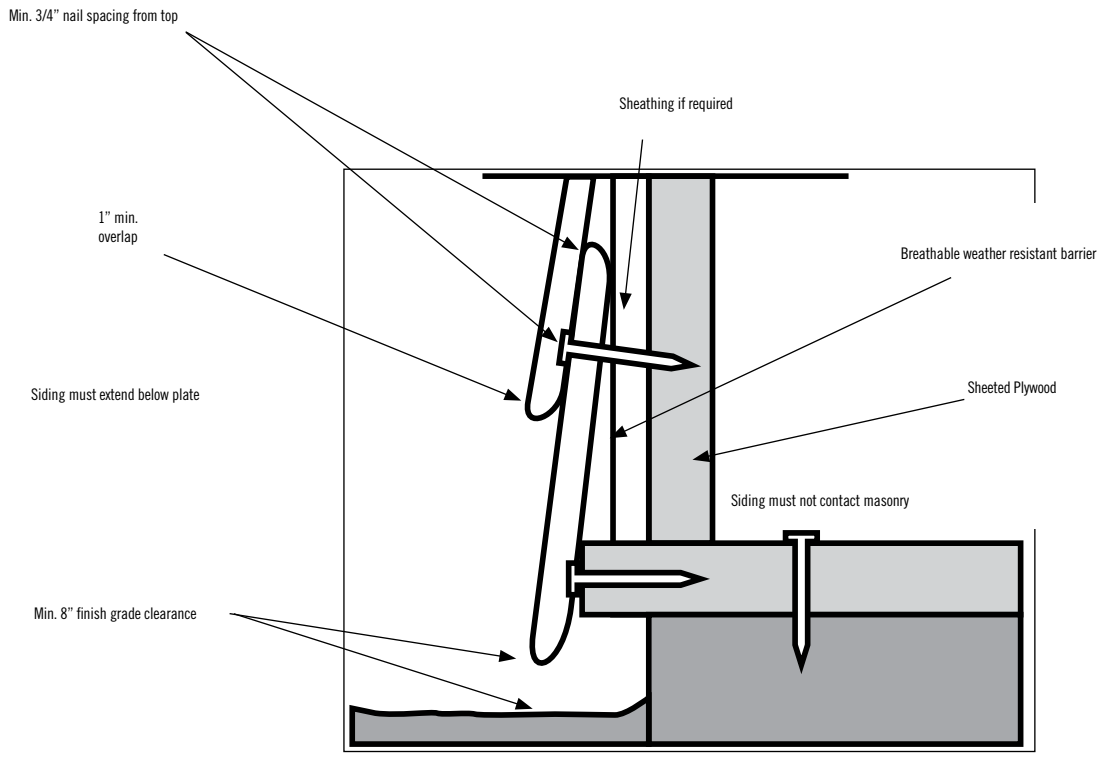
2. STUD SPACING AND WALL CONSTRUCTION

KWP Eco-Side siding may be installed over sheathed or unsheathed walls (use a breather-type paper) and must be nailed into studs spaced not more than 16" (400 mm) O.C. Leave at least 8" from the ground. The siding should not have direct contact with concrete. Siding must be installed in a manner that prevents moisture infiltration and water build-up. To prevent buckling, do not apply siding to green or crooked structural. Check your local building codes for application procedures for handling moisture and moisture vapor in your area.

2.1 Sheathed Wall

KWP Eco-Side siding may be installed over sheathed walls and must be nailed into studs spaced not more than 16" (400 mm) O.C. Leave at least 8" from the ground and the siding should not have direct contact with concrete.

The bottom-most plank must be lifted to give it the same angle as the rest of the siding. Use a strip of siding, panel or wood (3/8'' or 7/16'' thick x 3/4'' or 1'' wide) that will resist the elements to lift the first course of siding. See picture below



2.2 INSULATED SHEATHINGS

When installing KWP Eco-Side siding over foam plastic or fiberglass sheathings, the following precautions must be followed:

1. For foam plastic sheathing under 1" (50 mm) thick, siding can be nailed directly, compensating for nail length
2. For foam plastic sheathing 1" (50 mm) or thicker or for fiberglass sheathing, strapping must be installed to provide a solid, level nailing base.

2.3 Installing Furring Strips

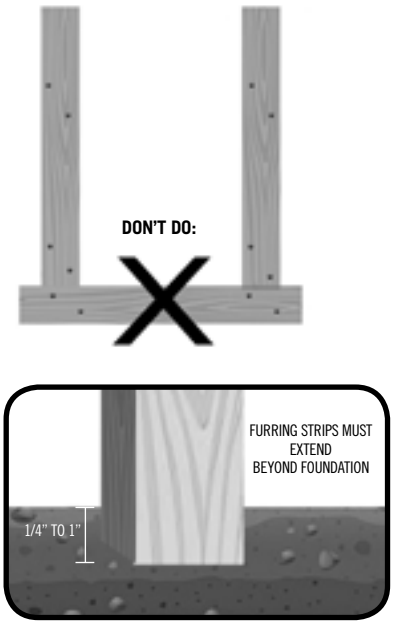
Vertical furring strips create a ventilated space between the siding and the water-resistive barrier. This space allows any water that may infiltrate behind the siding due to driving rain, wind or morning dew to escape rather than accumulating behind the siding. It also allows water vapour from inside the building released by the water-resistive barrier to escape without damaging the wall.

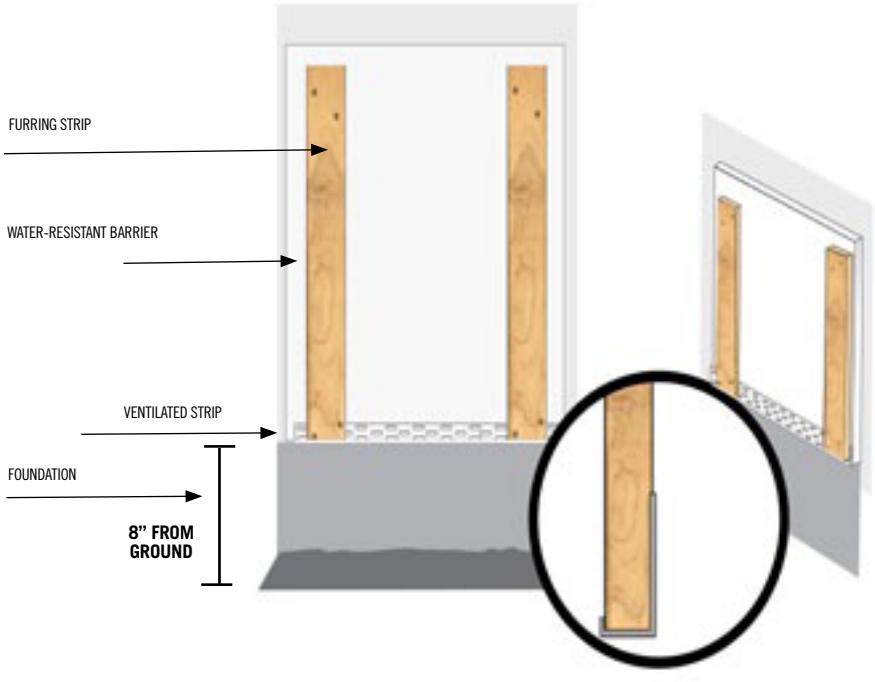
FURRING STRIP SPECIFICATIONS

1" x 3" furring strips (1" x 4" is acceptable).
Kiln-dried
Furring strips must be new, straight and undamaged.
If the siding is being installed as part of a renovation project, replace all existing furring strips with new compliant strips.

INSTALLING FURRING STRIPS

Install furring strips vertically and secure them firmly to the structure using two nails or angle screws every 12-16". Nails must have a minimum penetration of 1 1/4" in the structure





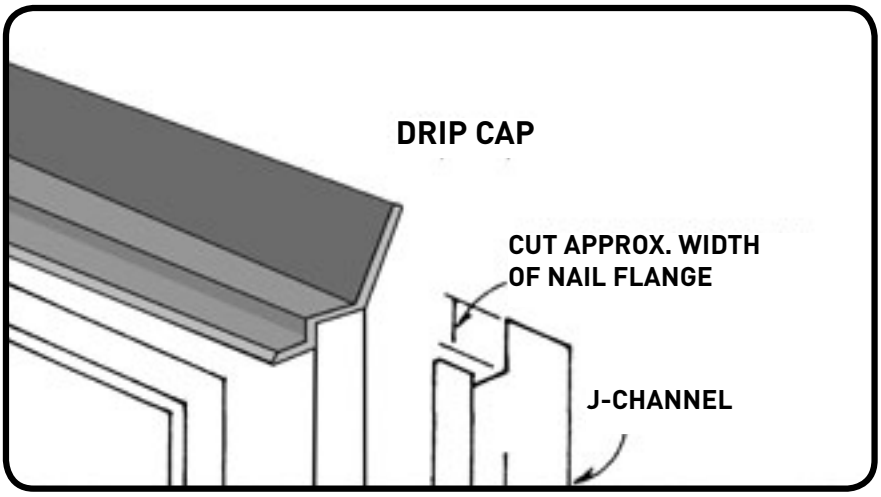
Furring strips must be installed vertically and must be nailed into the wall studs at 16" (400 mm) O.C. At the bottom of the wall, to provide better support for the first row of siding, a furring strip of about 12" (300 mm) long should be installed vertically centered between each main furring strip. Both the top and bottom of the space between furring strips must be left open to ensure ventilation.

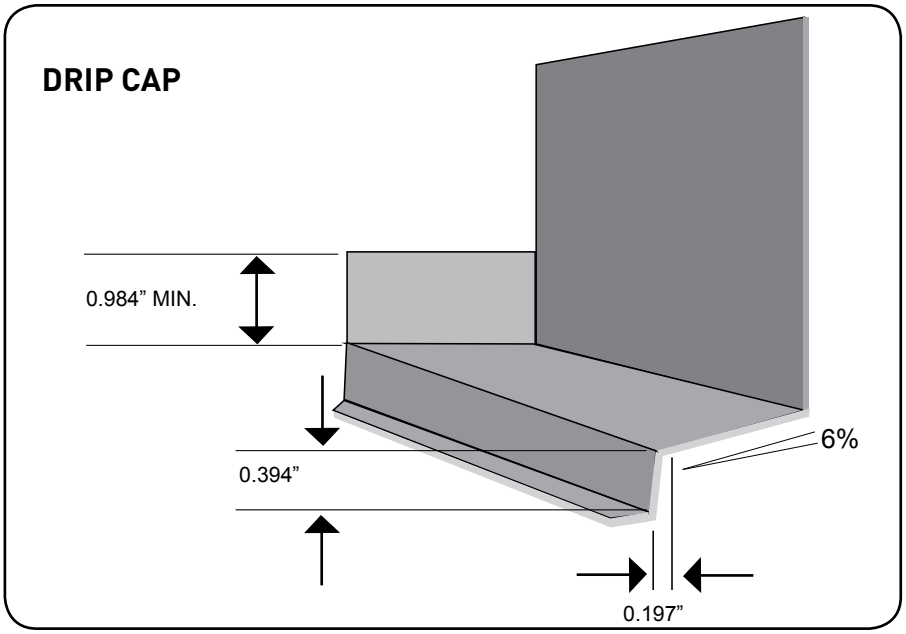
The opening at the bottom should be open to the outside except for the insect screen or ventilated moulding. The siding must be fastened by nailing about 3/4" (19.05mm) from the top edge of siding at each stud or vertical furring strip located over the stud, leaving no more than 16" (400 mm) between nails.

If siding applied adjacent to patios, roof line, porches, etc. the siding must have a clearance of a minimum of 2'' above the surface. Furring strips must extend beyond the concrete foundation line by 1/4" to 1" to ensure the overlap of the siding and the foundation.

Minimum 1/2" spacing between flashing and the siding to allow for adequate drainage and air flow. Please see diagrams below on how to address windows and rooflines.

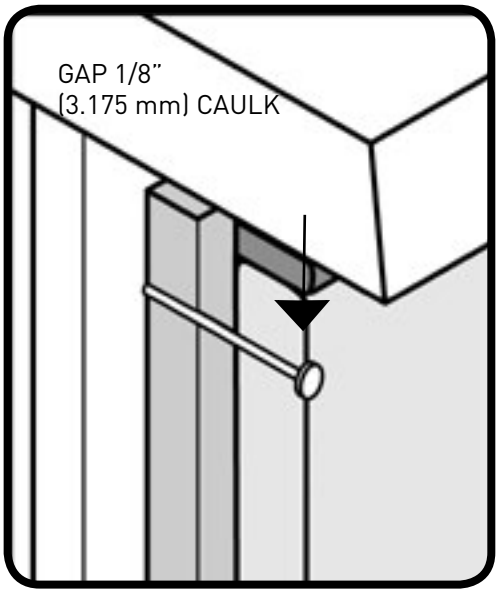
ABOVE WINDOWS AND DOORS





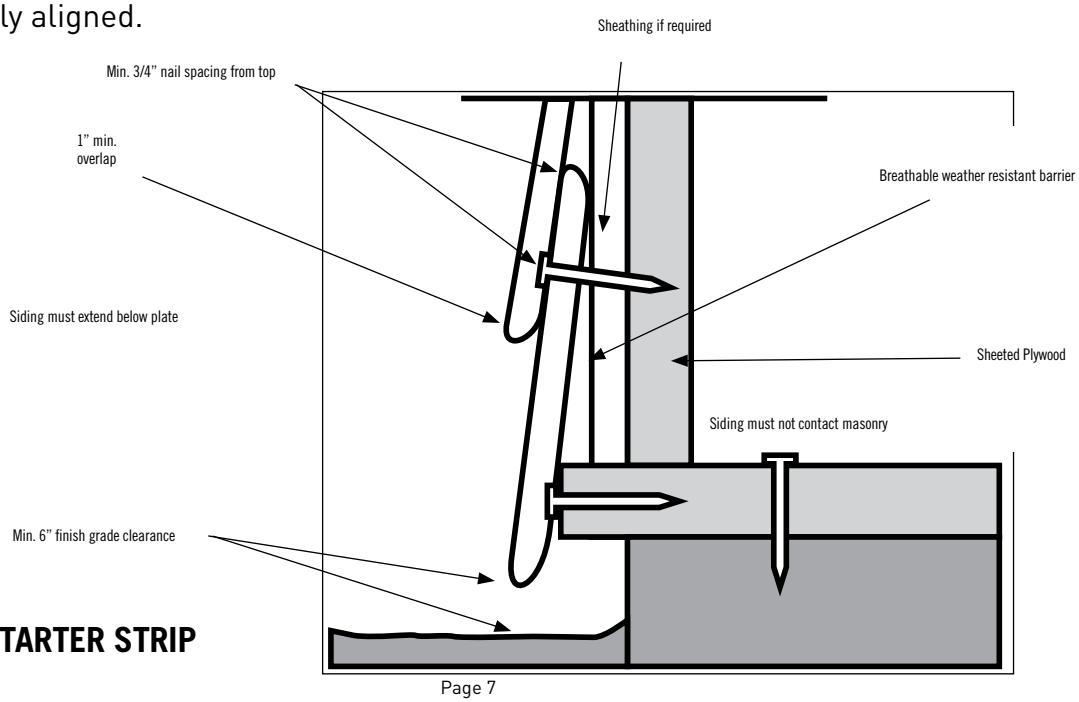
BELOW WINDOWS
Space nails 8" (200 mm) O.C. along edge of siding under windows. Do not force siding into place as this will cause buckling. ALWAYS LEAVE A 3/16" (4.88 mm) space where siding meets trim or other materials to allow for expansion and fill with caulking

BELOW ROOFLINES
Space nails 16" (400 mm) O.C. along edge of siding under rooflines. Do not force siding into place as this will cause buckling. ALWAYS LEAVE A 1/8" (3.175 mm) space where siding meets trim or other materials to allow for expansion and fill with caulking



3. STARTER AND OVERLAPS

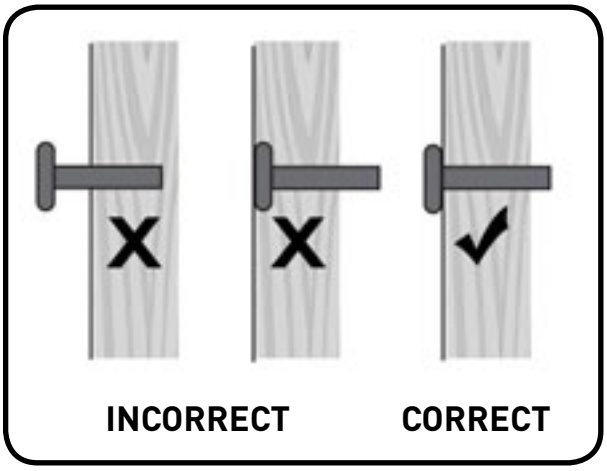
With KWP Eco-Side a starter strip is not required. The bottom-most plank must be lifted to give it the same angle as the rest of the siding. Use a strip of siding, panel or wood (3/8'' or 7/16'' thick x 3/4'' or 1'' wide) that will resist the elements to lift the first course of siding. See picture below. Eco-Side offers panels in 6'' and 8''. The minimum overlap for both panels is 1". Overlapping the panels by more than 1" reduces the overall coverage per panel. Use a siding gauge or tape measure when installing Eco-Side to adjust the overlap. A siding gauge can be found at any building materials store. Use a level to ensure your siding is properly aligned.

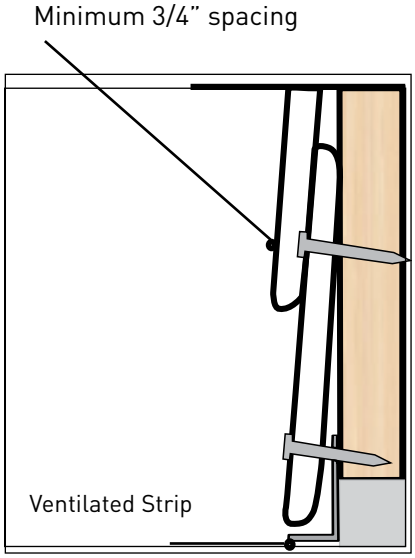


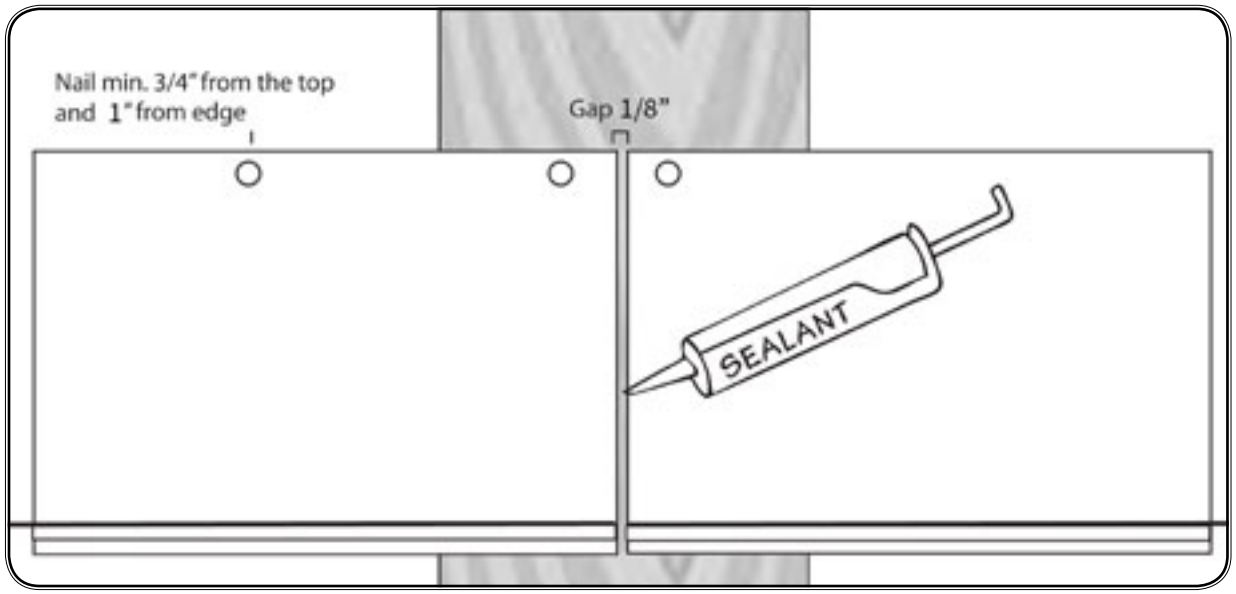
STARTER STRIP

4. NAILING

KWP offers 2" (50 mm) spiral color-matched nails. Nail length will be determined by wall construction and in all cases must allow a minimum of 1 ¼" (32 mm) penetration into solid backing or 1 1/8" (28 mm) if spiral nails are used. There must not be more than 16" (400 mm) O.C. spacing between nails. Nailing should always start at one end of the siding and proceed toward the other end to prevent rippling. Ensure that strips are aligned at corners of the building. Do not countersink nail heads. Particular attention is necessary when using an air nailing gun. Nails should have a minimum ¾" spacing from the top. Staples can be used and should be a Galvanised or Stainless 7/16", 16 gauge staple with a length of 1.75" minimum.







4.1 Fastner Requirements (See diagram 1)

Blind nailing is the preferred method of installation for Eco-side siding products. Face nailing should only be used where required by code for high wind areas.

Blind Nailing (See diagram 1)

Corrosion Resistant Nails
(Galvanized or Stainless Steel)
- Roofing nail (3 mm shank x 9.5mm HD x 32 mm (1 1/4") long
- Minimum requirements: Siding nail (2.4 mm shank x 5.6 mm HD x 50 mm (2") long)

Corrosion Resistant Screws
- Ribbed water-head or equivalent (No.8 x 9.5 mm HD x 32 mm (1 1/4") long). Screws must penetrate 6 mm or 3 full threads into metal framing.

Corrosion Resistant Fastners
- ET & F Panelfast (2.5 mm shank x 8 mm HD x 38 mm (1 1/2") long)

Face Nailing (See diagram 2)

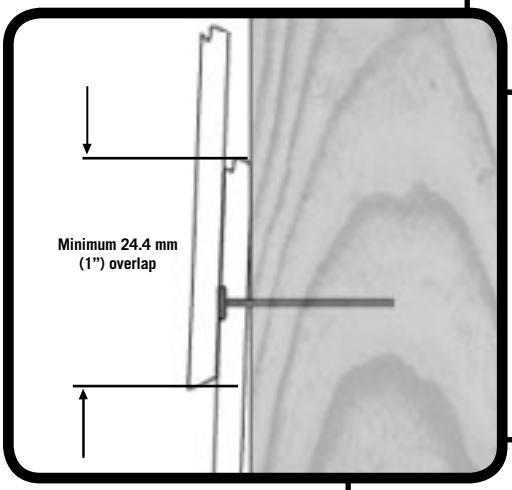
Corrosion Resistant Nails
(Galvanized or Stainless Steel)
- 6d common nail (2.9 mm shank x 6.7 mm HD x 50 mm (2") long)
- Siding nail (2.3 mm shank x 5.6 mm HD x 50 mm (2") long)
- Siding nail (2.3 mm shank x 5.6 mm HD x 38 mm (1 1/2") long)

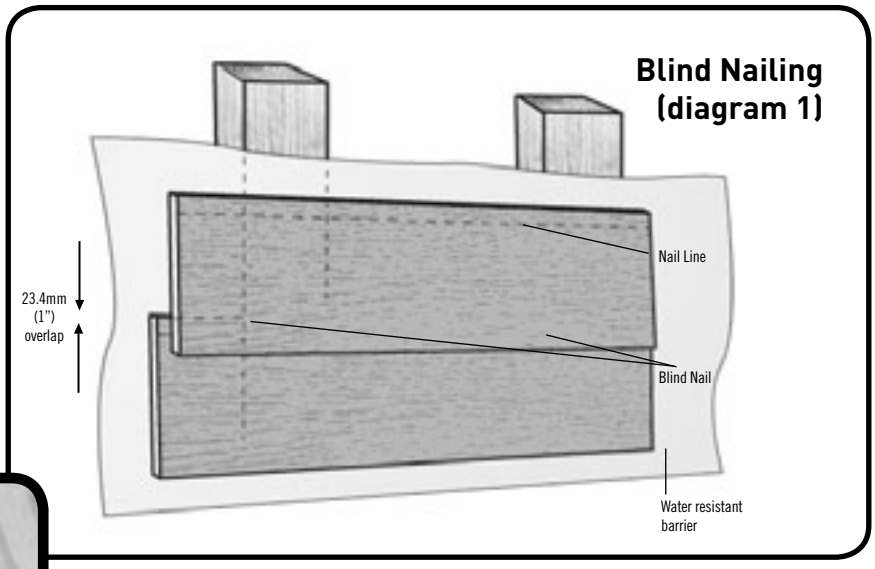
Corrosion Resistant Screws
- Ribbed water-head or equivalent (No.8-18 x 8.2 mm HD x 41 mm (1 5/8") long). Screws must penetrate 6 mm or 3 full threads into metal framing.

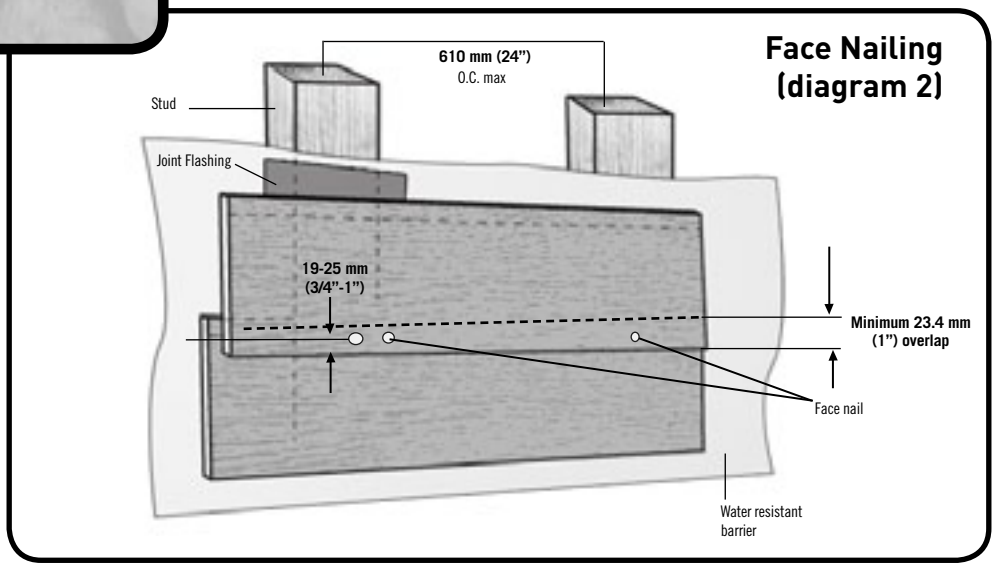
Corrosion Resistant Fastners
- ET & F pin (2.5 mm shank x 6.4 mm HD x 38 mm (1 1/2") long)

4.1 Fastner Requirements (Diagrams)

Minimum overlap for both face and blind nailing







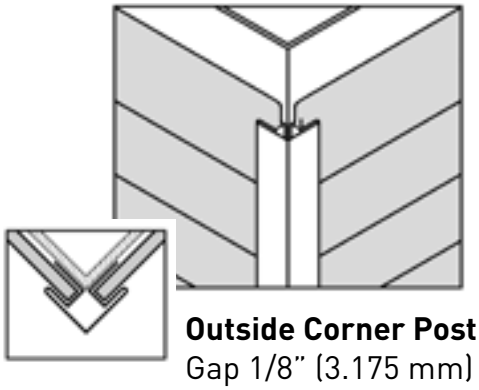
5. CUTTING KWP ECO-SIDE SIDING

For proper cutting use a fine-toothed saw or power saw with a combination blade.
Make sure that the cutting action is on the painted side of the product.

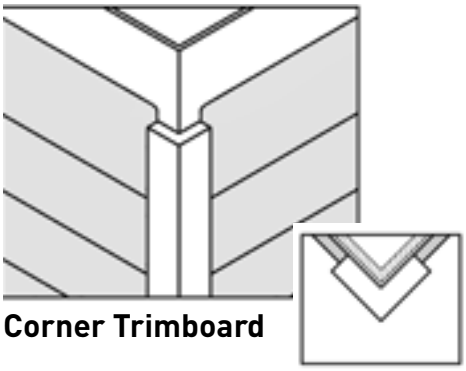
6. TRIMS AND ACCESSORIES

A complete range of trims and accessories are available from KWP including:

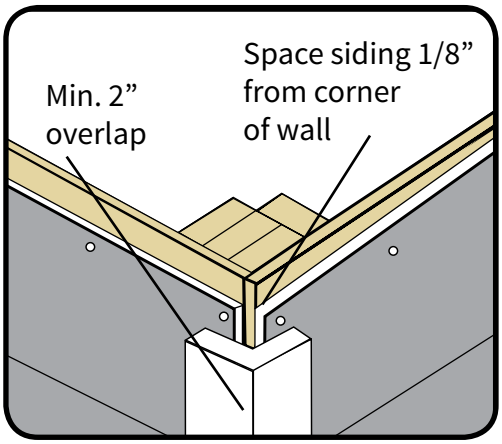
- Color-matched aluminum moldings for joints, inside and outside corners, j-moldings, drip caps, ventilated strip and Z flashings.
- Color-matched nails.
- Engineered wood Trim Board to match siding colors.
- Engineered wood outside corners in matching colors.
- Color-matched caulking and touch-up paint.

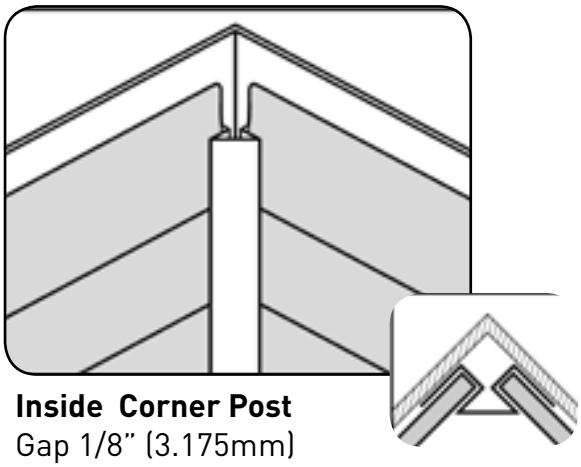


Outside Corner Post
Gap 1/8" (3.175 mm)



Corner Trimboard





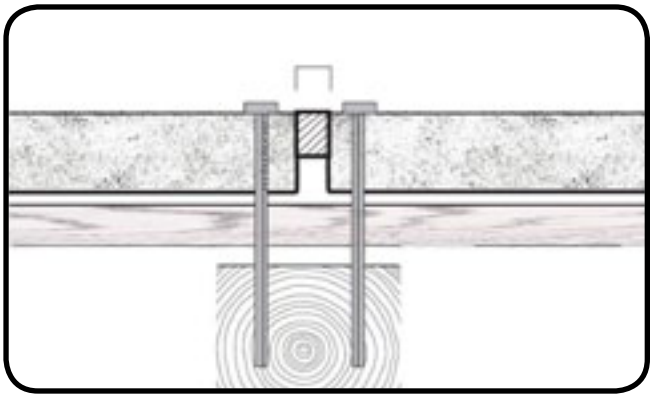
Inside Corner Post
Gap 1/8" (3.175mm)

7. SIDING JOINTS

The vertical joint between adjacent siding pieces must be located over the middle of a stud or furring strip located over a stud. Leave a minimumal 1/8" (3.175 mm) gap between siding pieces or 3/16" (4.88 mm) if the total length of the wall exceeds 3 full boards (432") and nail into the stud or furring strip located over a stud. Nail on each side of the joint spacing at the top of the panel. You could use a joint cover to slide between the planks and nailed on top underneath the overlap. Below are the joint options:

7.1. CAULKING ONLY

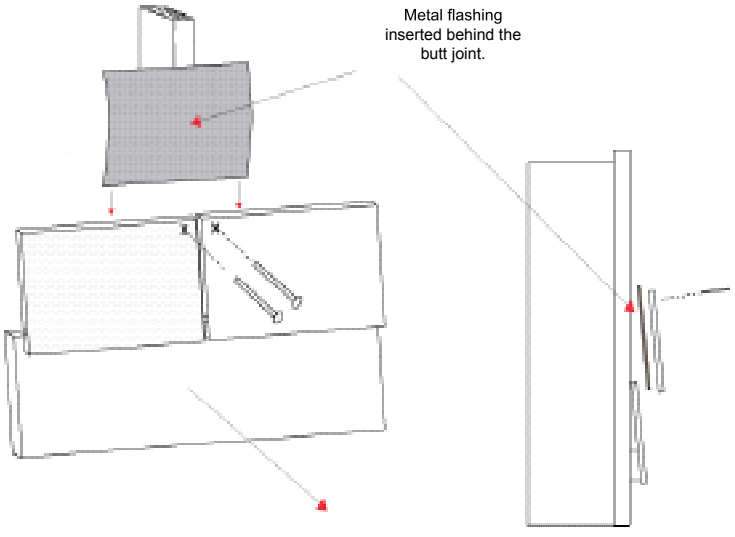
Use Thermoplastic Caulking only to fill up the joint. Joints should be filled from bottom to the top.
Leave a minimal 1/8" (3.175 mm) gap between sliding pieces or 3/16" (4.88 mm) if the total length of the wall exceeds 3 full boards (432").



7.2 CAULKLESS BUTT JOINT DETAIL

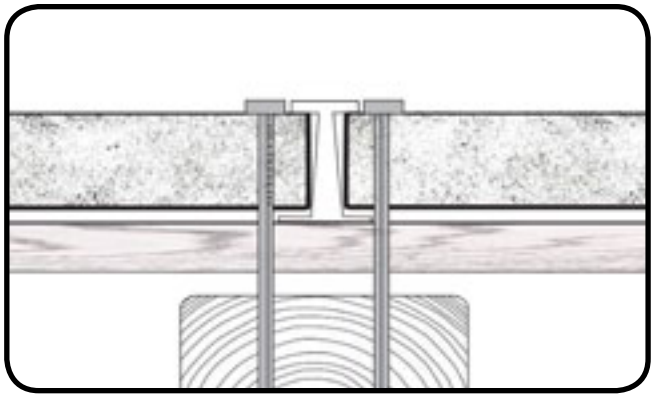
Caulk may be omitted from the butt joints of Eco-Side Lap Siding provided the following conditions for Pan-Flashing and Pre-Finishing are met:

- The siding must be pre-finished on the primed surface, all edges, and all ends.
- All lap joints must be pan-flashed as described below and shown in the image below.
- The pan flashing overlap must equal the overlap of the siding image below.
- The pan must be 6" (152.4 mm) in width and must be centered at the lap joint.
- The pan flashing must be installed in order to prevent water penetration behind the siding.
- All lap butt joints that have unprotected, field-cut ends must be protected by a high quality paintable caulk.
- Lap joint details at trim must be caulked.
- The minimum spacing at the lap joint is 1/8" (3.175 mm) or 3/16" (4.88 mm) if the total length of the wall exceeds 3 full boards (432").



7.3 JOINT COVERS

If joint moulding option is selected, add the thickness of the web to the gap allowing a space of 1/8" (3.175 mm) for expansion or 3/16" if the total length of the wall exceeds 3 full boards (432").



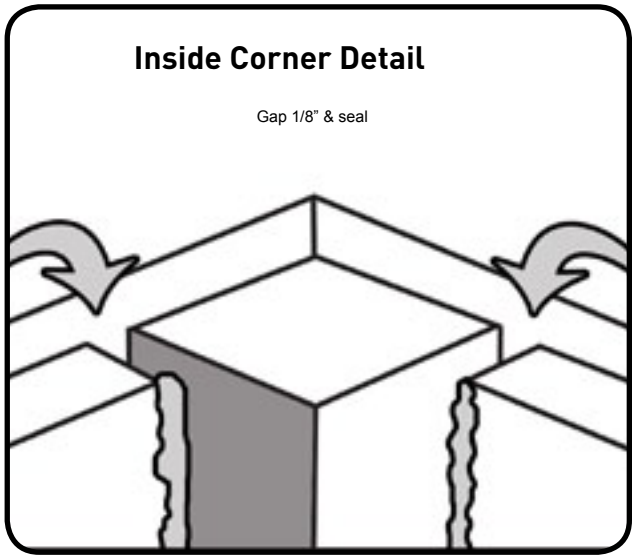
*****In certain regions KWP Eco-Side may be butted together. Please contact KWP for approval.**

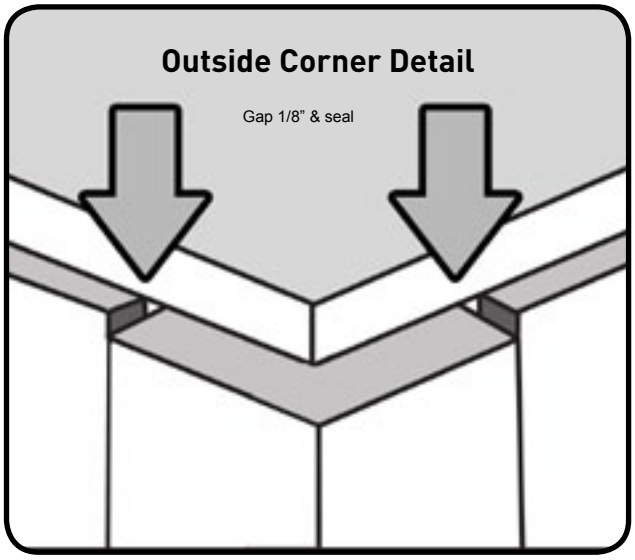
8. CORNERS:

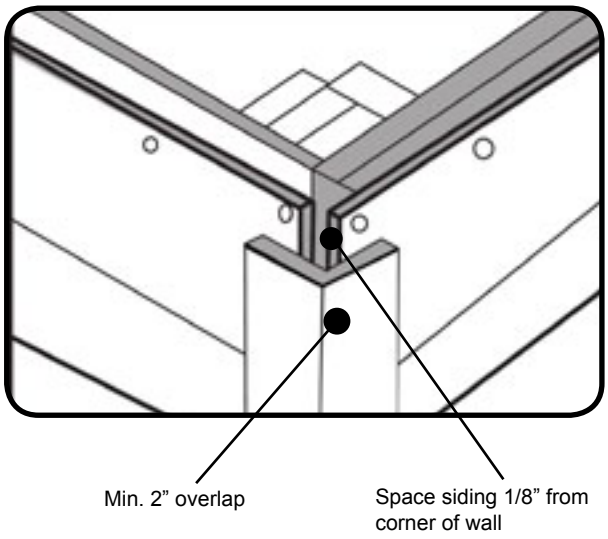
If inside and outside corners are used (vinyl or aluminum), they should be installed BEFORE the siding; alternatively, wood trim or KWP Eco-Side engineered wood Trim Board should be installed over the siding AFTER it has been installed. Siding should not be butted tightly to inside and outside corners, a 1/8" (3.175 mm) gap must be provided between the edge of the siding panel and the inside or outside corners. Siding can be applied to KWP wood outside/inside corners leaving a 1/8" (3.175 mm) gap and filled with caulking.

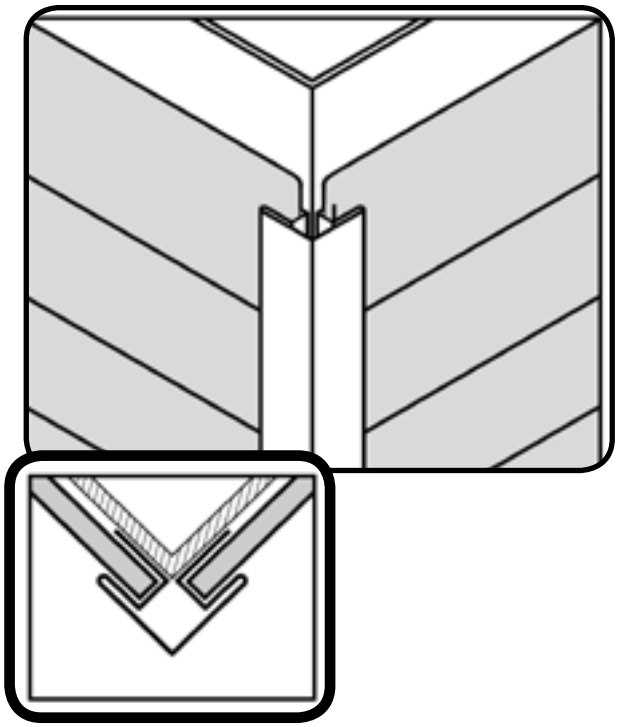
Three approved methods are:

1. The overlap wood trim method.
2. The KWP OSCP/ISCP with 1/8" (3.175 mm) space caulked method
3. OSCP/ISCP vinyl/aluminum with built-in pockets.







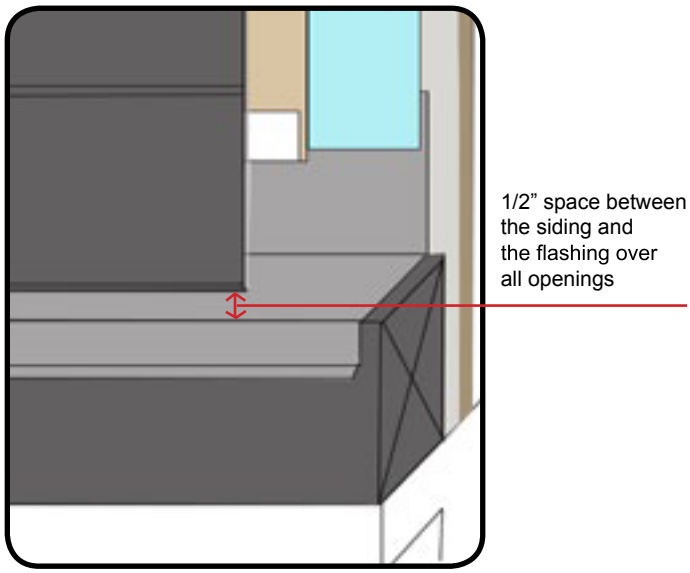


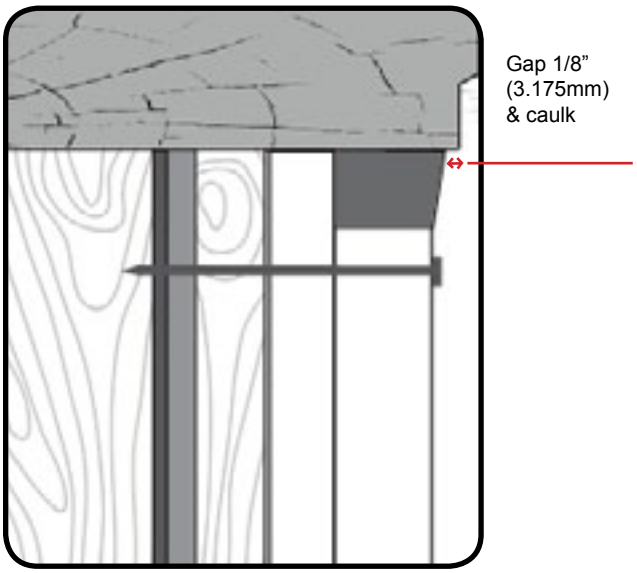
9. WINDOWS & DOORS

Space nails 8” (200 mm) O.C. along edge of siding under windows (shim if/where necessary). Any use of force when putting siding into place will cause buckling.
To allow expansion, leave a space of 1/8” (3.175 mm) wherever siding butts against trim or other materials and use caulking or j-moldings

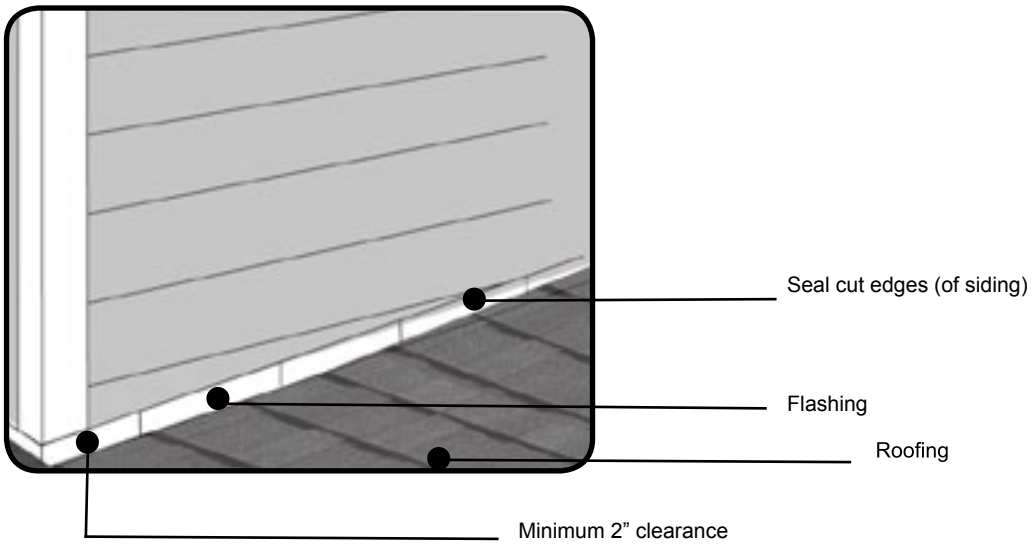
9.1 ABOVE WINDOWS & DOORS

Install flashing over all openings, flat surfaces and wherever moisture drainage is needed. There should be a ½” gap between the siding and the flashing for drainage.

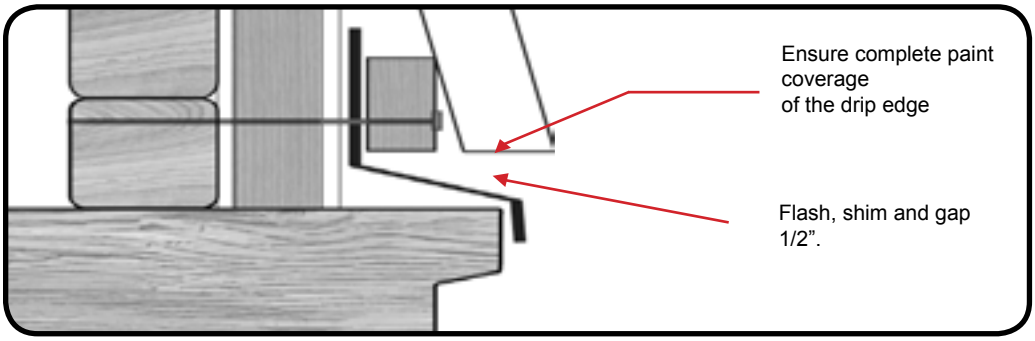


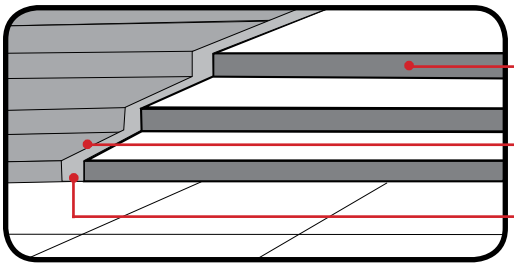


11. OVER OPENINGS:



Openings should be flashed to allow proper drainage.





**** Siding applied adjacent to porches, patios, walks, etc. must have a 2” minimum clearance above any surface

12. FINISH REPAIRS

Any scratches should be covered by color-matched KWP touch-up paint. Soak the raw surface with touch-up paint by applying it with a fine brush or point of a cloth, then immediately rub off the excess with a cloth to prevent a blotchy appearance.

13. CARE OF PRE-FINISHED SIDING

All KWP Eco-Side siding finishes are long wearing and require little maintenance. However, for best results, siding must be washed annually using nonabrasive household cleansers according to the manufacturer’s recommendations. Test cleansers on a small area to ensure they do not damage the finish. Rinse siding surface thoroughly after applying cleanser.

Eco-side Smooth
INSTALL GUIDE

Engineered Wood Siding

KWP

Table of Contents

Eco-side Smooth
INSTALL GUIDE

FOREWORD

This Guide has been produced to help builders and contractors with the installation of KWP® siding and trim products. It is based on the safe and proven practices and also gives guidance on proper tools for working with KWP siding and trim products.

This guide should be read in conjunction with project drawings and specifications, applicable building codes, and relevant compliance documents.

As a result of continuous improvements, this document can be changed and it is important to always check if it is the up-to-date version and it is user's responsibility to check at KWP web site for the latest version.

CONTACT FOR MORE INFORMATION:
1 -888-657-5786
www.kwpproducts.com
info@kwpproducts.com

1. STORAGE

Compliance with KWP installation, storage and maintenance requirements and with the applicable building codes in your region is mandatory. Problems caused by failure to comply with these requirements and codes may not be covered under applicable warranties.

Warning

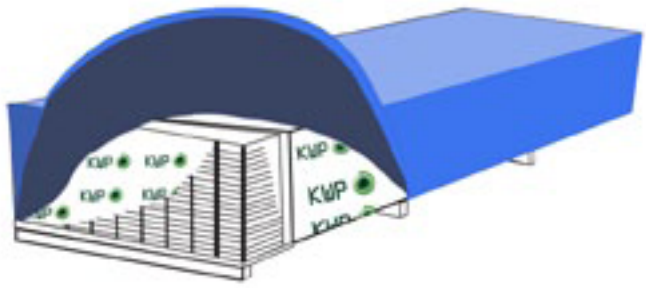
Do not install products which appear to be or which you believe to be non-conforming.
Before you begin, consult the applicable building codes in your region for requirements regarding the installation of siding, weather barrier (house wrap), caulking, etc.
Follow the manufacturer's instructions for installing the weather barrier and applying caulking.

- Store off the ground, on a flat surface on pallets to avoid sagging and contact with the ground.

- Siding must be covered and protected from the elements with a water resistant cover provided by KWP.

- Allow siding to adjust to atmospheric conditions prior to installation.

Do not store KWP Eco-Side siding in a heated building. This can affect the humidity content in the wood and make it susceptible to buckling.



As with all wood products, do not apply KWP Eco-Side siding to a structure where excessive moisture conditions exist such as drying concrete or plaster. Installation over new masonry walls is not recommended until walls are thoroughly dry. Where siding is applied over masonry construction, it must be installed over furring strips spaced 16" (400 mm) O.C. and of adequate thickness to accept the full length of the recommended nail

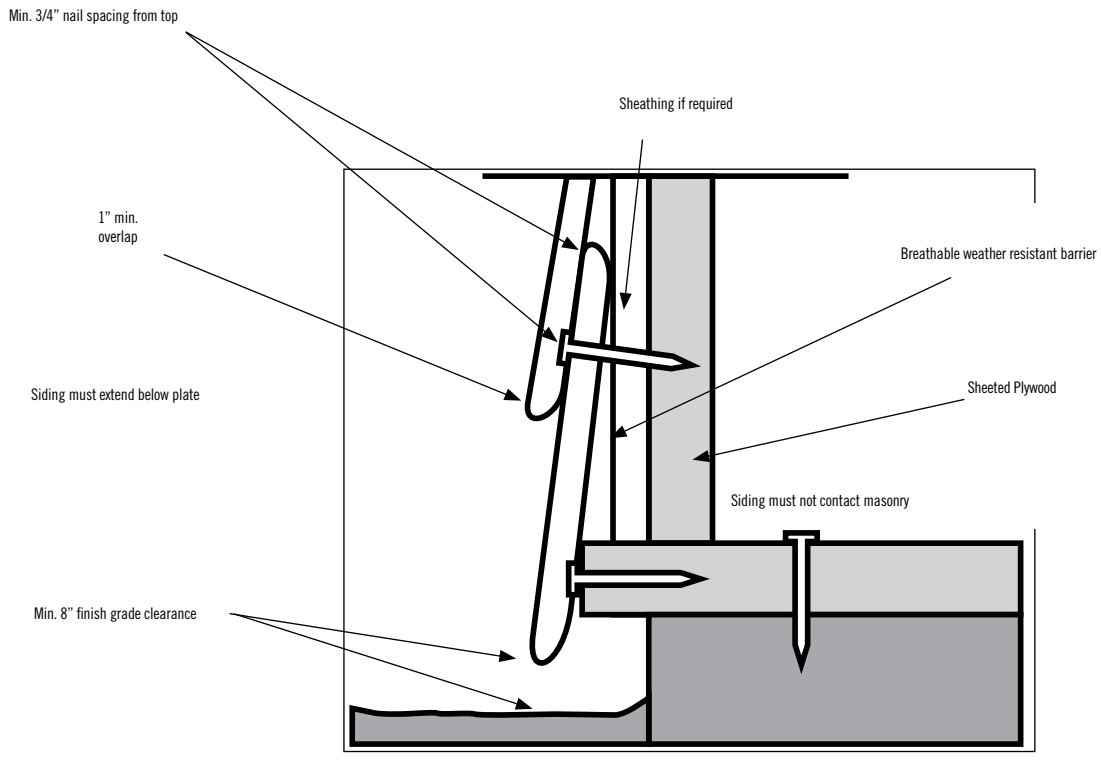
2. STUD SPACING AND WALL CONSTRUCTION

KWP Eco-Side siding may be installed over sheathed or unsheathed walls (use a breather-type paper) and must be nailed into studs spaced not more than 16" (400 mm) O.C. Leave at least 8" from the ground. The siding should not have direct contact with concrete. Siding must be installed in a manner that prevents moisture infiltration and water build-up. To prevent buckling, do not apply siding to green or crooked structural. Check your local building codes for application procedures for handling moisture and moisture vapor in your area.

2.1 Sheathed Wall

KWP Eco-Side siding may be installed over sheathed walls and must be nailed into studs spaced not more than 16" (400 mm) O.C. Leave at least 8" from the ground and the siding should not have direct contact with concrete.

The bottom-most plank must be lifted to give it the same angle as the rest of the siding. Use a strip of siding, panel or wood (3/8'' or 7/16'' thick x 3/4'' or 1'' wide) that will resist the elements to lift the first course of siding. See picture below



2.2 INSULATED SHEATHINGS

When installing KWP Eco-Side siding over foam plastic or fiberglass sheathings, the following precautions must be followed:

1. For foam plastic sheathing under 1" (50 mm) thick, siding can be nailed directly, compensating for nail length
2. For foam plastic sheathing 1" (50 mm) or thicker or for fiberglass sheathing, strapping must be installed to provide a solid, level nailing base.

2.3 Installing Furring Strips

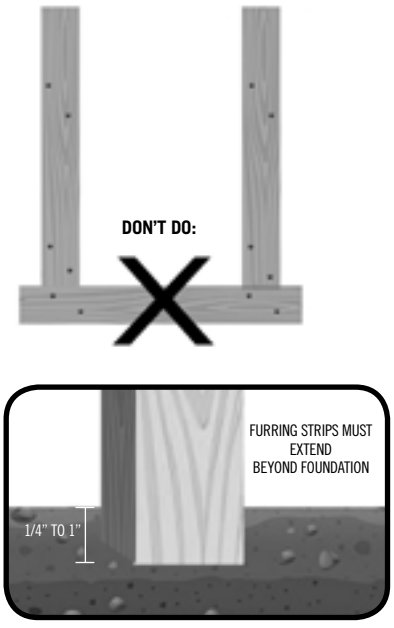
Vertical furring strips create a ventilated space between the siding and the water-resistive barrier. This space allows any water that may infiltrate behind the siding due to driving rain, wind or morning dew to escape rather than accumulating behind the siding. It also allows water vapour from inside the building released by the water-resistive barrier to escape without damaging the wall.

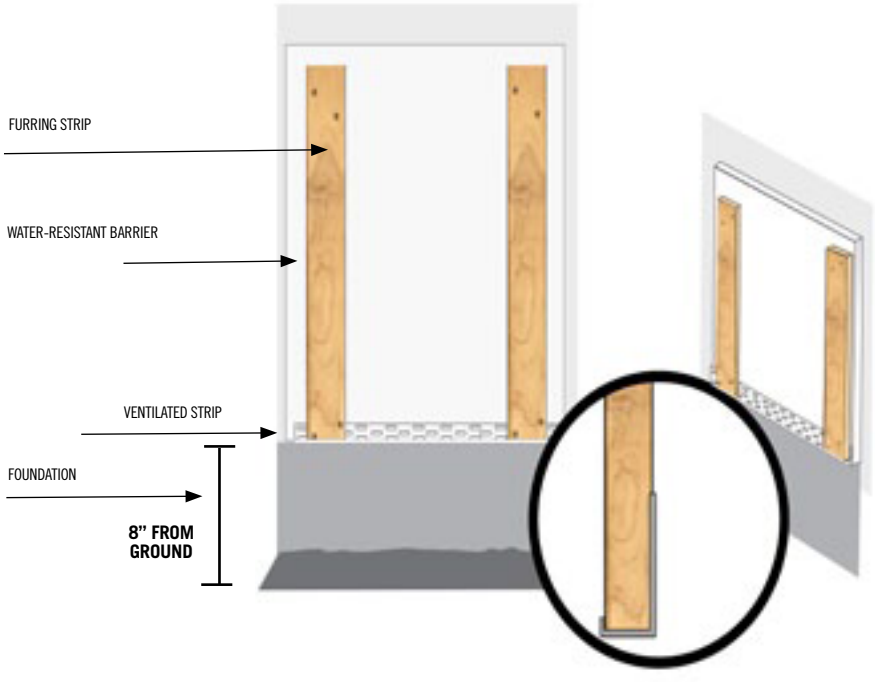
FURRING STRIP SPECIFICATIONS

1" x 3" furring strips (1" x 4" is acceptable).
Kiln-dried
Furring strips must be new, straight and undamaged.
If the siding is being installed as part of a renovation project, replace all existing furring strips with new compliant strips.

INSTALLING FURRING STRIPS

Install furring strips vertically and secure them firmly to the structure using two nails or angle screws every 12-16". Nails must have a minimum penetration of 1 1/4" in the structure





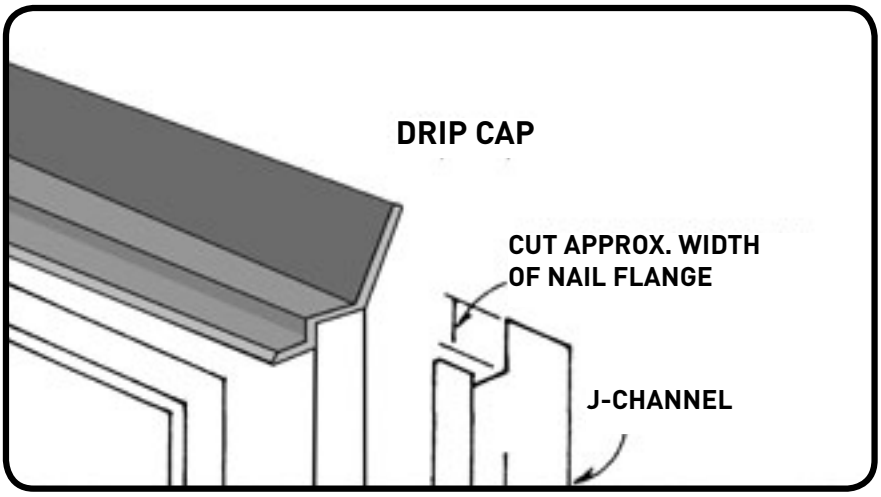
Furring strips must be installed vertically and must be nailed into the wall studs at 16" (400 mm) O.C. At the bottom of the wall, to provide better support for the first row of siding, a furring strip of about 12" (300 mm) long should be installed vertically centered between each main furring strip. Both the top and bottom of the space between furring strips must be left open to ensure ventilation.

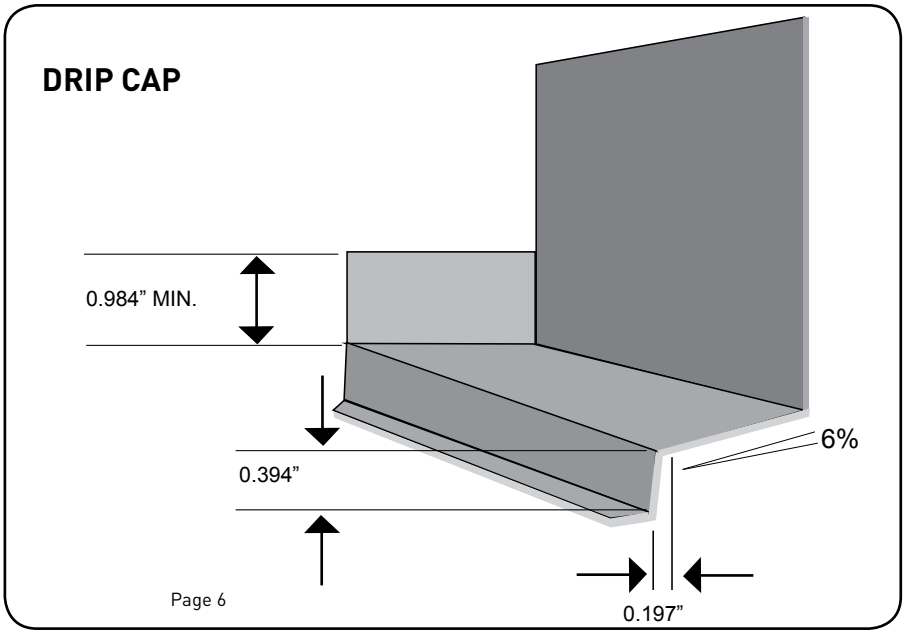
The opening at the bottom should be open to the outside except for the insect screen or ventilated moulding. The siding must be fastened by nailing about 3/4" (19.05mm) from the top edge of siding at each stud or vertical furring strip located over the stud, leaving no more than 16" (400 mm) between nails.

If siding applied adjacent to patios, roof line, porches, etc. the siding must have a clearance of a minimum of 2'' above the surface. Furring strips must extend beyond the concrete foundation line by 1/4" to 1" to ensure the overlap of the siding and the foundation.

Minimum 1/2" spacing between flashing and the siding to allow for adequate drainage and air flow. Please see diagrams below on how to address windows and rooflines.

ABOVE WINDOWS AND DOORS



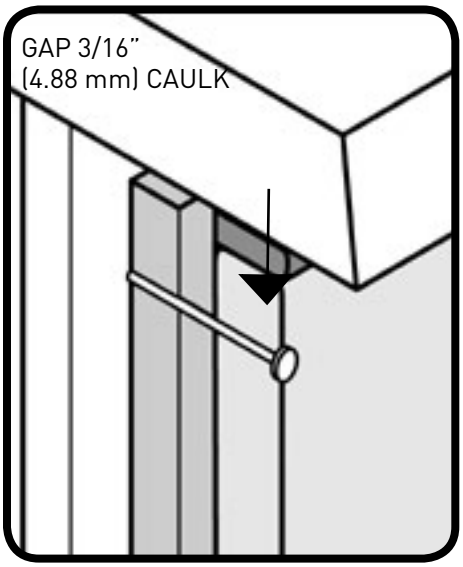


BELOW WINDOWS

Space nails 8" (200 mm) O.C. along edge of siding under windows. Do not force siding into place as this will cause buckling. ALWAYS LEAVE A 3/16" (4.88 mm) space where siding meets trim or other materials to allow for expansion and fill with caulking

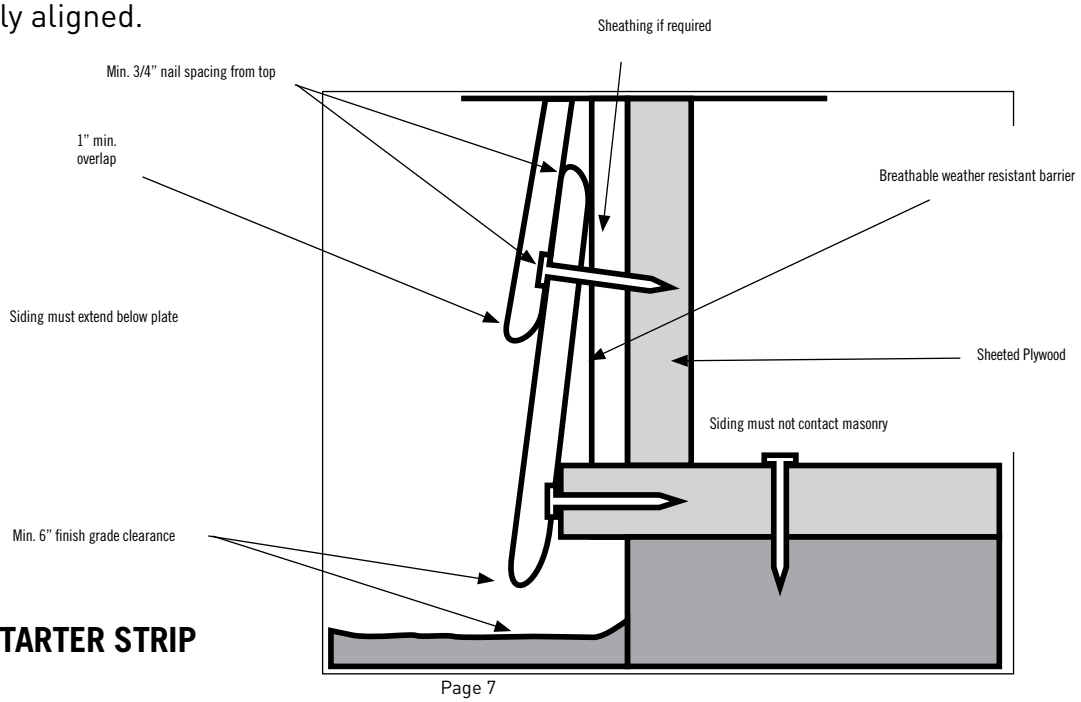
BELOW ROOFLINES

Space nails 16" (400 mm) O.C. along edge of siding under rooflines. Do not force siding into place as this will cause buckling. ALWAYS LEAVE A 3/16" (4.8 mm) space where siding meets trim or other materials to allow for expansion and fill with caulking



3. STARTER AND OVERLAPS

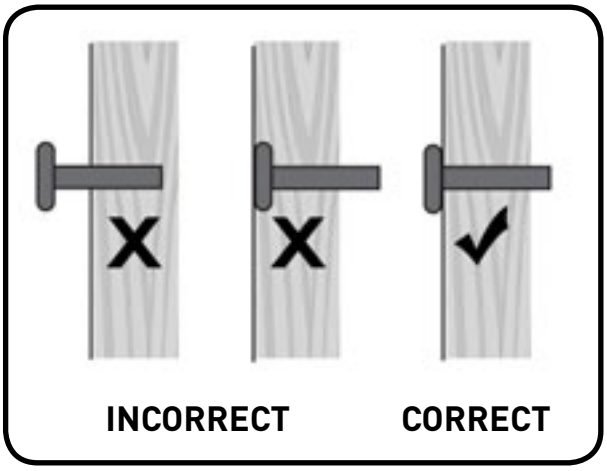
With KWP Eco-Side a starter strip is not required. The bottom-most plank must be lifted to give it the same angle as the rest of the siding. Use a strip of siding, panel or wood (3/8'' or 7/16'' thick x 3/4'' or 1'' wide) that will resist the elements to lift the first course of siding. See picture below. Eco-Side offers panels in 6'' and 8''. The minimum overlap for both panels is 1". Overlapping the panels by more than 1" reduces the overall coverage per panel. Use a siding gauge or tape measure when installing Eco-Side to adjust the overlap. A siding gauge can be found at any building materials store. Use a level to ensure your siding is properly aligned.

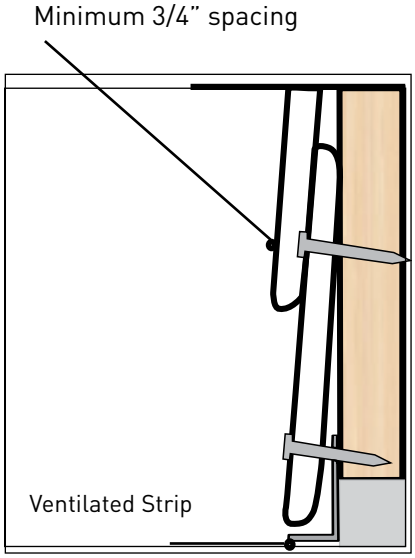


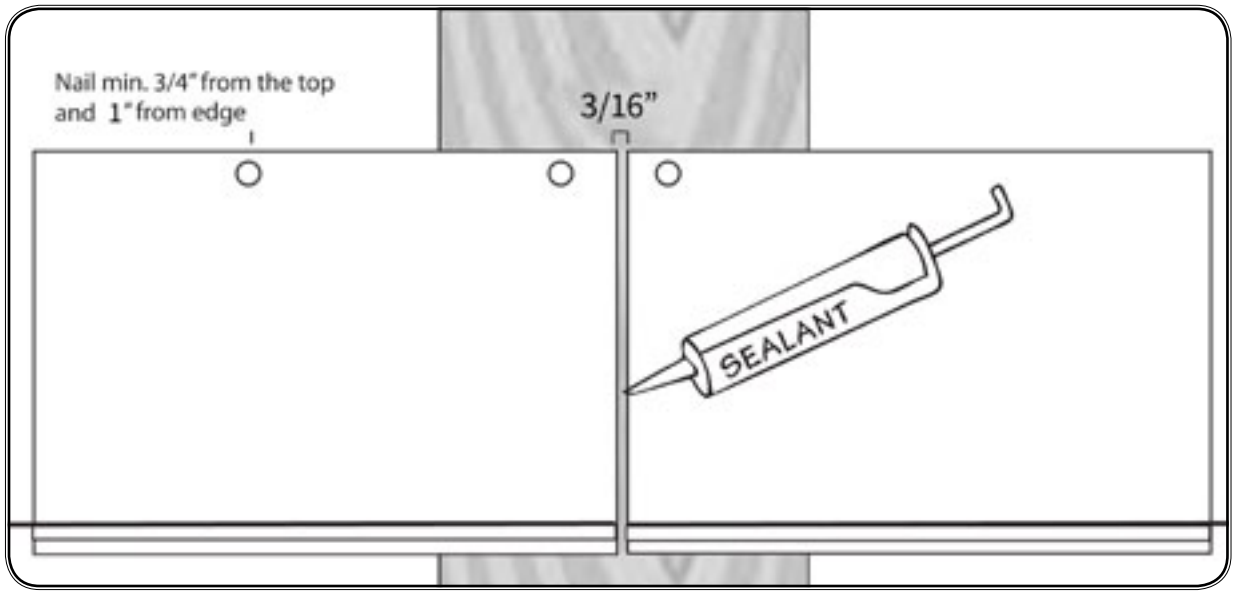
STARTER STRIP

4. NAILING

KWP offers 2" (50 mm) spiral color-matched nails. Nail length will be determined by wall construction and in all cases must allow a minimum of 1 ¼" (32 mm) penetration into solid backing or 1 1/8" (28 mm) if spiral nails are used. There must not be more than 16" (400 mm) O.C. spacing between nails. Nailing should always start at one end of the siding and proceed toward the other end to prevent rippling. Ensure that strips are aligned at corners of the building. Do not countersink nail heads. Particular attention is necessary when using an air nailing gun. Nails should have a minimum ¾" spacing from the top. Staples can be used and should be a Galvanised or Stainless 7/16", 16 gauge staple with a length of 1.75" minimum.







4.1 Fastner Requirements (See diagram 1)

Blind nailing is the preferred method of installation for Eco-side siding products. Face nailing should only be used where required by code for high wind areas.

Blind Nailing (See diagram 1)

Corrosion Resistant Nails
(Galvanized or Stainless Steel)
- Roofing nail (3 mm shank x 9.5mm HD x 32 mm (1 1/4") long
- Minimum requirements: Siding nail (2.4 mm shank x 5.6 mm HD x 50 mm (2") long)

Corrosion Resistant Screws
- Ribbed water-head or equivalent (No.8 x 9.5 mm HD x 32 mm (1 1/4") long). Screws must penetrate 6 mm or 3 full threads into metal framing.

Corrosion Resistant Fastners
- ET & F Panelfast (2.5 mm shank x 8 mm HD x 38 mm (1 1/2") long)

Face Nailing (See diagram 2)

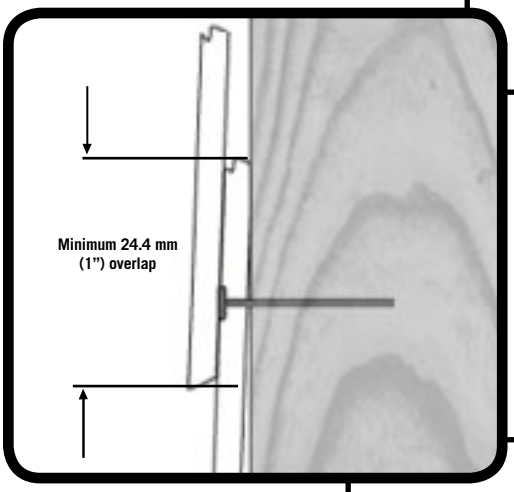
Corrosion Resistant Nails
(Galvanized or Stainless Steel)
- 6d common nail (2.9 mm shank x 6.7 mm HD x 50 mm (2") long)
- Siding nail (2.3 mm shank x 5.6 mm HD x 50 mm (2") long)
- Siding nail (2.3 mm shank x 5.6 mm HD x 38 mm (1 1/2") long)

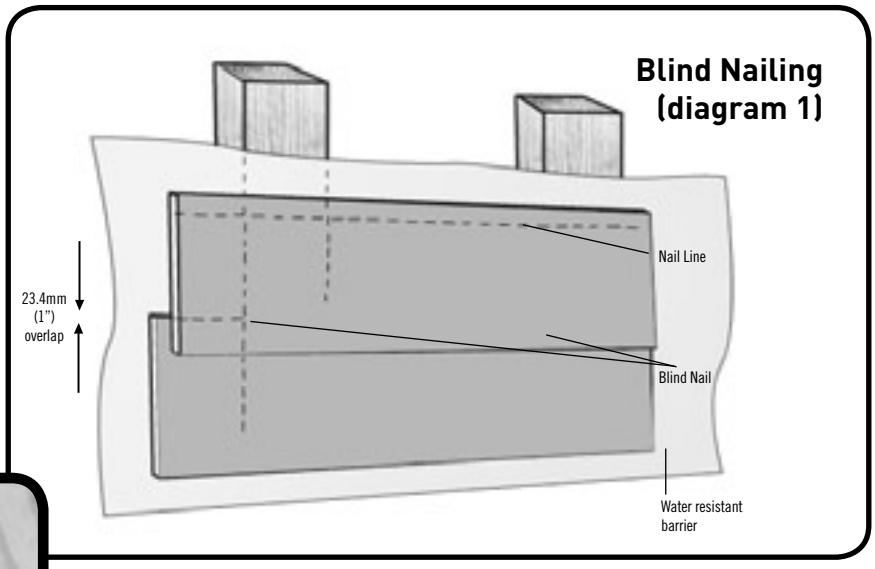
Corrosion Resistant Screws
- Ribbed water-head or equivalent (No.8-18 x 8.2 mm HD x 41 mm (1 5/8") long). Screws must penetrate 6 mm or 3 full threads into metal framing.

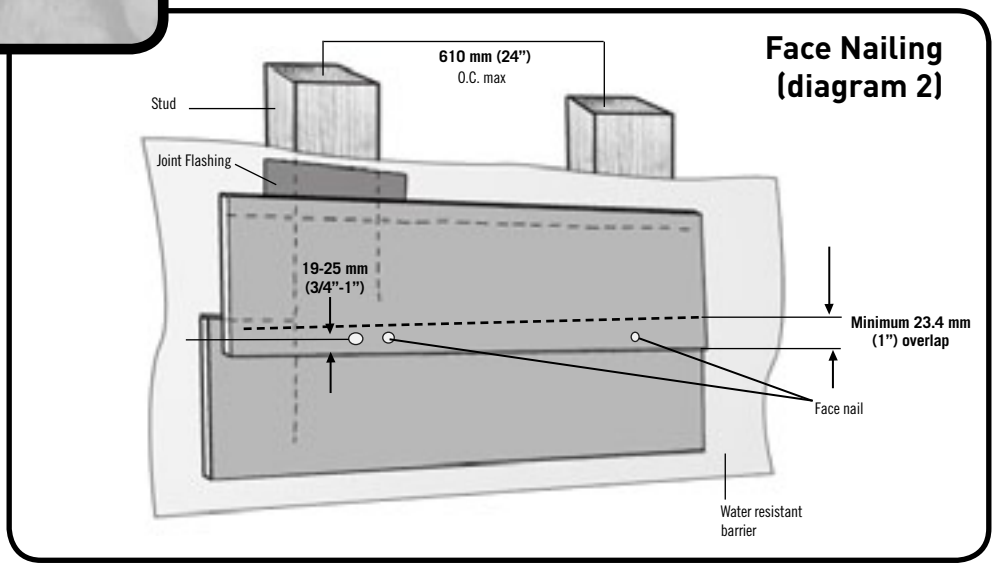
Corrosion Resistant Fastners
- ET & F pin (2.5 mm shank x 6.4 mm HD x 38 mm (1 1/2") long)

4.1 Fastner Requirements (Diagrams)

Minimum overlap for both face and blind nailing







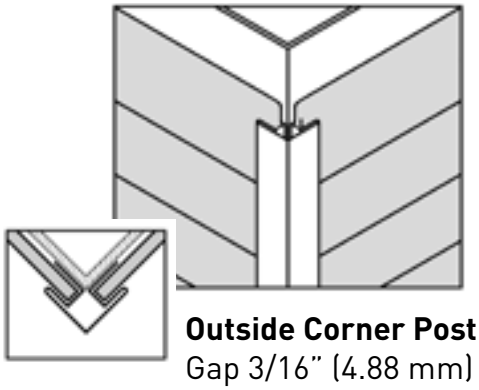
5. CUTTING KWP ECO-SIDE SIDING

For proper cutting use a fine-toothed saw or power saw with a combination blade.
Make sure that the cutting action is on the painted side of the product.

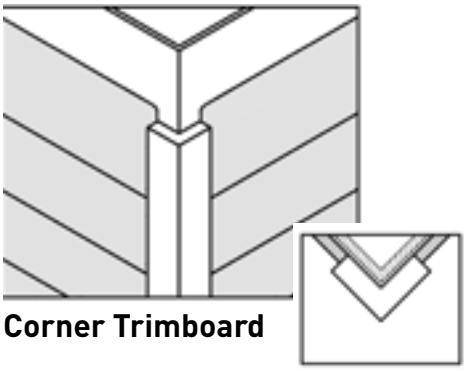
6. TRIMS AND ACCESSORIES

A complete range of trims and accessories are available from KWP including:

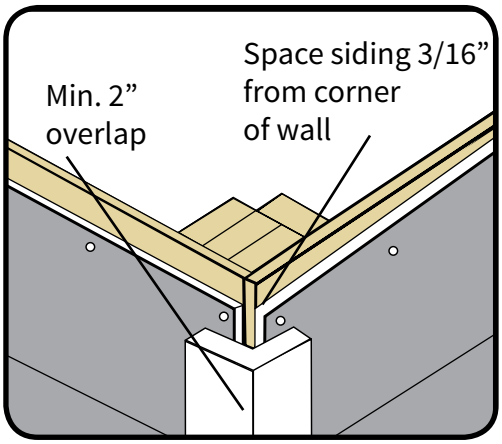
- Color-matched aluminum moldings for joints, inside and outside corners, j-moldings, drip caps, ventilated strip and Z flashings.
- Color-matched nails.
- Engineered wood Trim Board to match siding colors.
- Engineered wood outside corners in matching colors.
- Color-matched caulking and touch-up paint.

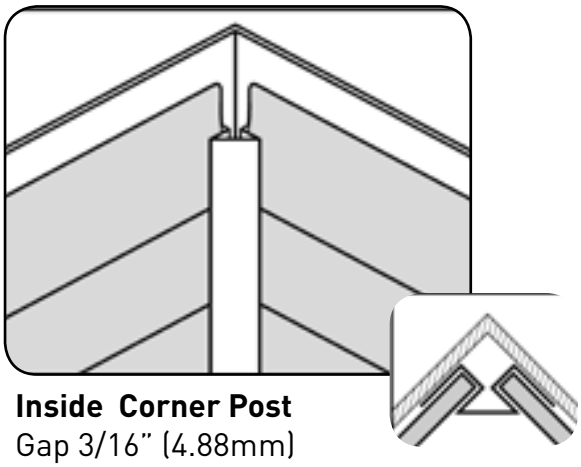


Outside Corner Post
Gap 3/16" (4.88 mm)



Corner Trimboard





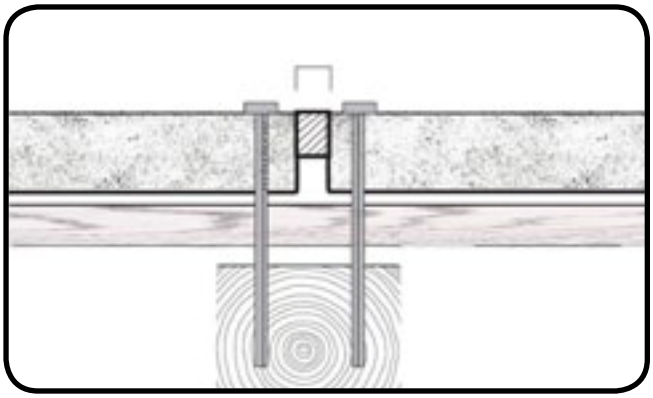
Inside Corner Post
Gap 3/16" (4.88mm)

7. SIDING JOINTS

The vertical joint between adjacent siding pieces must be located over the middle of a stud or furring strip located over a stud. Leave a minimumal 3/16" (4.88 mm) gap between siding pieces or 1/4" (6.4 mm) if the total length of the wall exceeds 3 full boards (480") and nail into the stud or furring strip located over a stud. Nail on each side of the joint spacing at the top of the panel. You could use a joint cover to slide between the planks and nailed on top underneath the overlap. Below are the joint options:

7.1. CAULKING ONLY

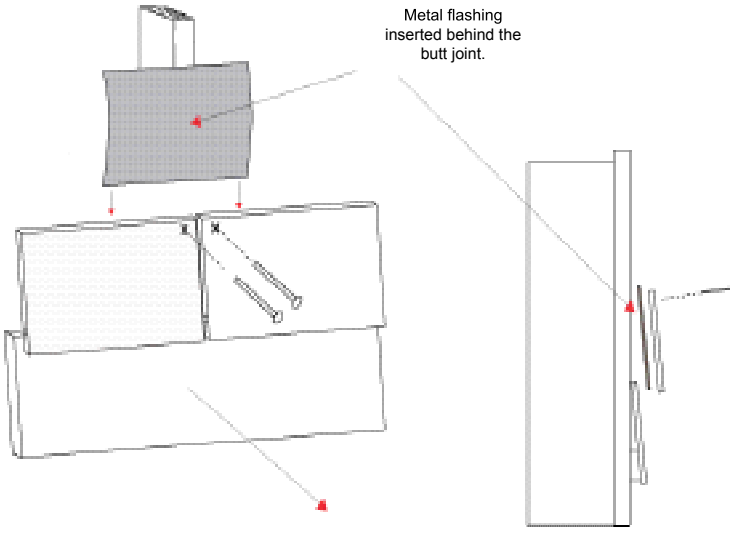
Use Thermoplastic Caulking only to fill up the joint. Joints should be filled from bottom to the top.
Leave a minimal 3/16" (4.88 mm) gap between sliding pieces or 1/4" (6.44 mm) if the total length of the wall exceeds 3 full boards (480").



7.2 CAULKLESS BUTT JOINT DETAIL

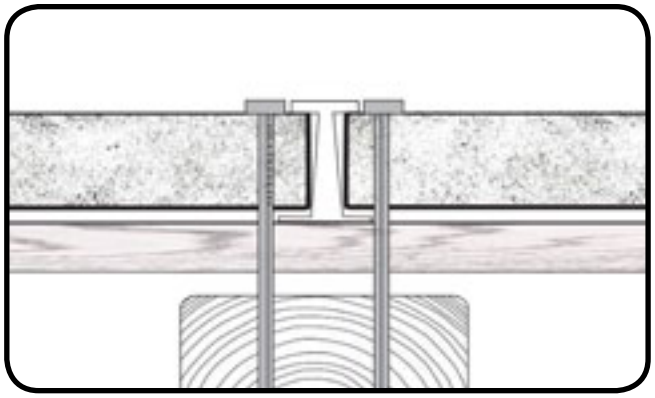
Caulk may be omitted from the butt joints of Eco-Side Lap Siding provided the following conditions for Pan-Flashing and Pre-Finishing are met:

- The siding must be pre-finished on the primed surface, all edges, and all ends.
- All lap joints must be pan-flashed as described below and shown in the image below.
- The pan flashing overlap must equal the overlap of the siding image below.
- The pan must be 6" (152.4 mm) in width and must be centered at the lap joint.
- The pan flashing must be installed in order to prevent water penetration behind the siding.
- All lap butt joints that have unprotected, field-cut ends must be protected by a high quality paintable caulk.
- Lap joint details at trim must be caulked.
- The minimum spacing at the lap joint is 3/16" (4.88 mm) or 1/4" (6.4 mm) if the total length of the wall exceeds 3 full boards (480").



7.3 JOINT COVERS

If joint moulding option is selected, add the thickness of the web to the gap allowing a space of 3/16" (4.88 mm) for expansion or 1/4" if the total length of the wall exceeds 3 full boards (480").



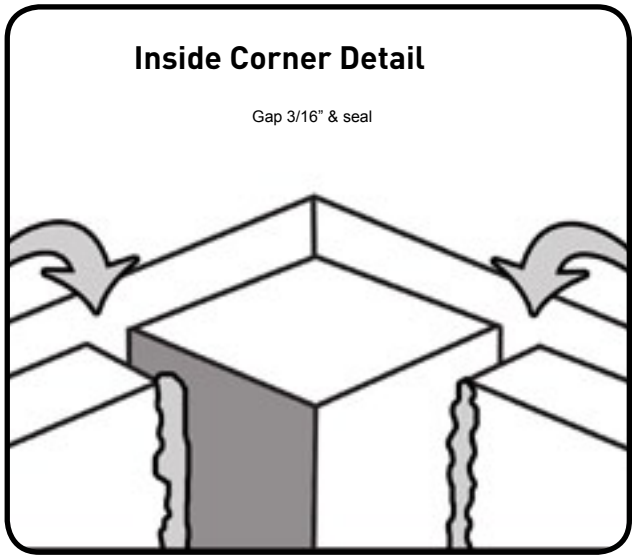
*****In certain regions KWP Eco-Side may be butted together. Please contact KWP for approval.**

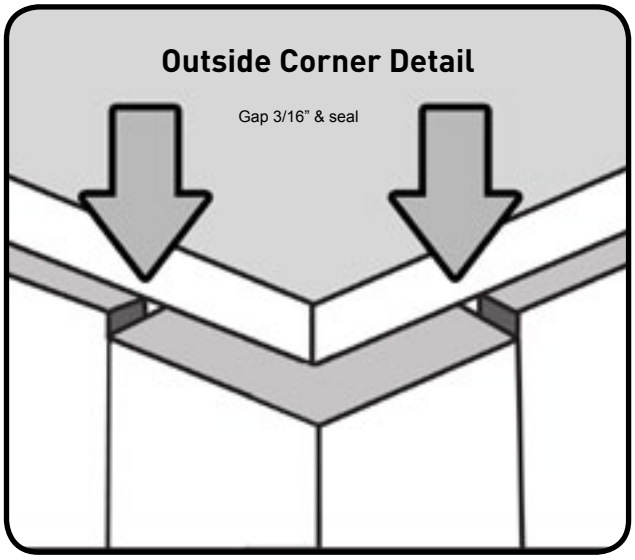
8. CORNERS:

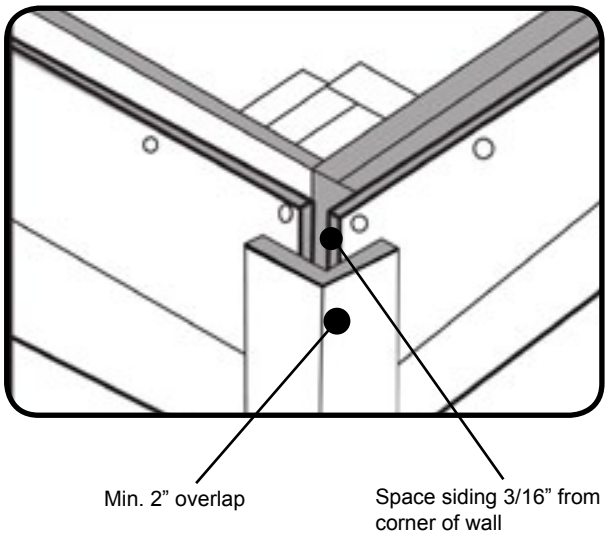
If inside and outside corners are used (vinyl or aluminum), they should be installed BEFORE the siding; alternatively, wood trim or KWP Eco-Side engineered wood Trim Board should be installed over the siding AFTER it has been installed. Siding should not be butted tightly to inside and outside corners, a 3/16" (4.88 mm) gap must be provided between the edge of the siding panel and the inside or outside corners. Siding can be applied to KWP wood outside/inside corners leaving a 3/16" (4.88 mm) gap and filled with caulking.

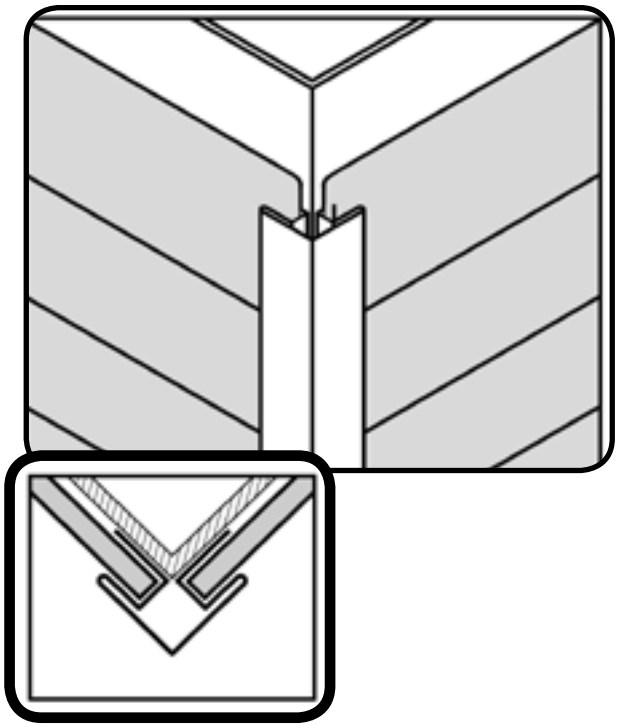
Three approved methods are:

1. The overlap wood trim method.
2. The KWP OSCP/ISCP with 3/16" (4.88 mm) space caulked method
3. OSCP/ISCP vinyl/aluminum with built-in pockets.







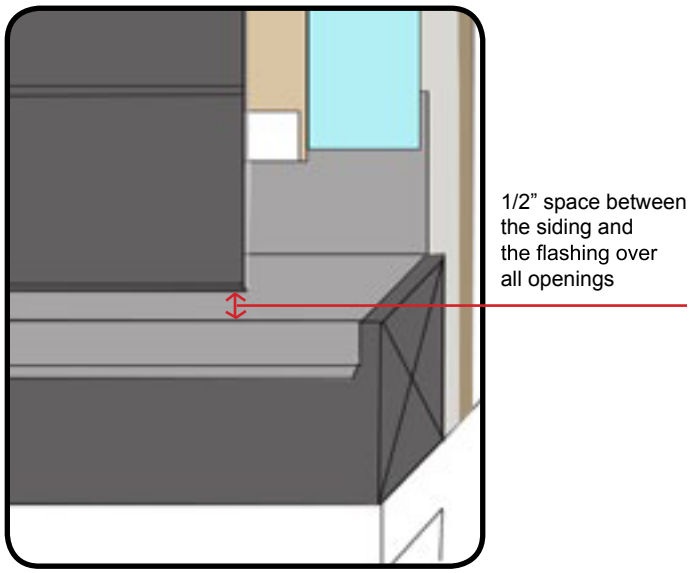


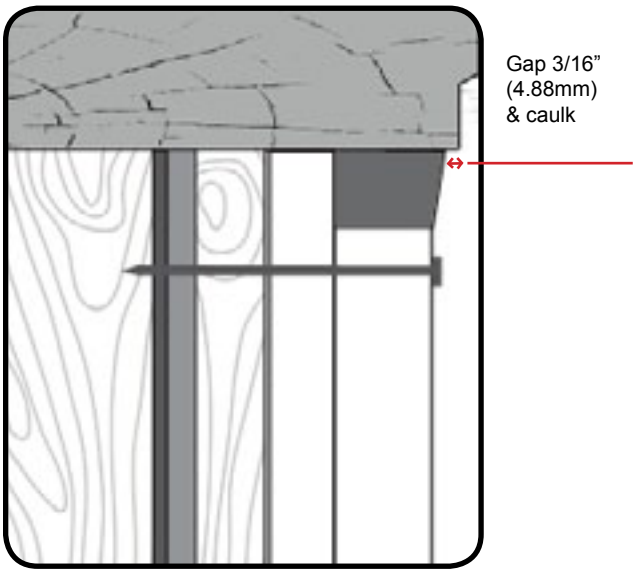
9. WINDOWS & DOORS

Space nails 8” (200 mm) O.C. along edge of siding under windows (shim if/where necessary). Any use of force when putting siding into place will cause buckling.
To allow expansion, leave a space of 3/16” (4.88 mm) wherever siding butts against trim or other materials and use caulking or j-moldings

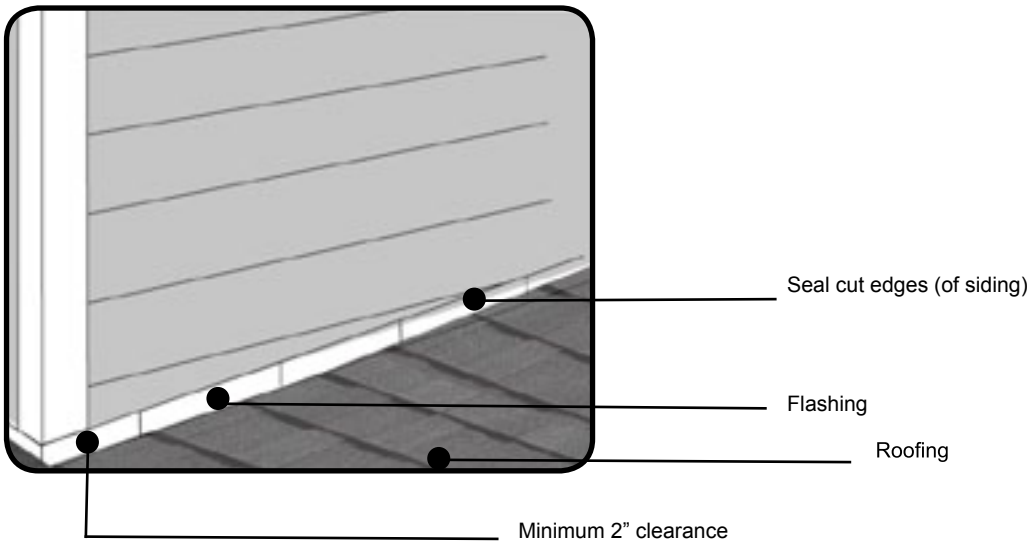
9.1 ABOVE WINDOWS & DOORS

Install flashing over all openings, flat surfaces and wherever moisture drainage is needed. There should be a ½” gap between the siding and the flashing for drainage.

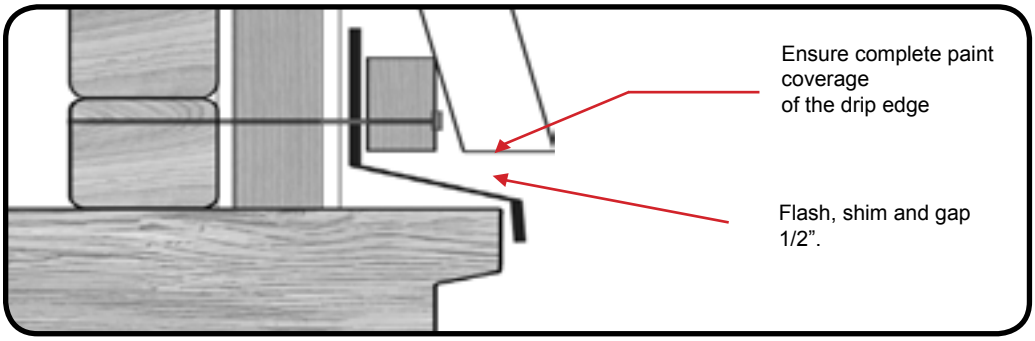


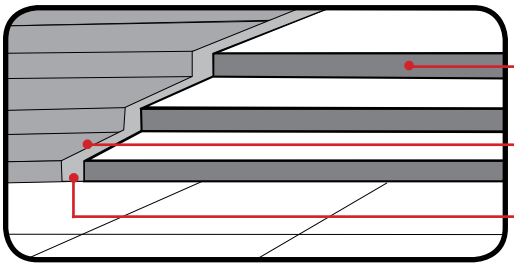


11. OVER OPENINGS:



Openings should be flashed to allow proper drainage.





**** Siding applied adjacent to porches, patios, walks, etc. must have a 2” minimum clearance above any surface

12. FINISH REPAIRS

Any scratches should be covered by color-matched KWP touch-up paint. Soak the raw surface with touch-up paint by applying it with a fine brush or point of a cloth, then immediately rub off the excess with a cloth to prevent a blotchy appearance.

13. CARE OF PRE-FINISHED SIDING

All KWP Eco-Side siding finishes are long wearing and require little maintenance. However, for best results, siding must be washed annually using nonabrasive household cleansers according to the manufacturer’s recommendations. Test cleansers on a small area to ensure they do not damage the finish. Rinse siding surface thoroughly after applying cleanser.

Eco-side

Specification

Eco-side™ Engineered Wood Siding Specification

Product Description:

KWP Eco-side™ Engineered wood siding is wood-based product used for exterior wall covering. It is manufactured from panels Type 5 panel sidings in textured surfaces, factory finished on one side. The finished siding shall conform to the requirements of ANSI A135.6-2006.

1. Types

Lap Siding – Engineered wood siding boards designed to be installed horizontally from the bottom of the wall to the top with the bottom edge of each board overlapping the top edge of the panel below.

2. Surface

Prefinished – Siding that has been factory painted on three sides and board ends, which does not require additional painting at the time of installation unless the boards are field-cut.

3. Dimensions

3.1 The length and width for all products is given in the table below. Tolerances for length shall be plus 0 mm (0 in) and minus 4.8 mm (3/16 in) from the nominal length.

Profile	Length		Width		Thickness	
	m	foot	mm	inch	mm	inch
Eco-Side™	3.658	12	152	6	9.5	0.375
	3.658	12	203	8	9.5	0.375

3.3 Trimboard is produced in following dimensions

Thickness		Length		Width
31.75 mm	(5/4")	3.658 m	(12')	10.16 cm (4"), 12.7 cm (5"), 15.24 cm (6"), 20.32 cm (8"), 25.4 cm (10"), 30.48 cm (12")
19.05 mm	(3/4")	3.658 m	(12')	10.16 cm (4"), 12.7 cm (5"), 15.24 cm (6"), 20.32 cm (8"), 25.4 cm (10"), 30.48 cm (12")

4. Properties

4.1 Engineered wood – The unfinished board used as the base material for siding shall conform to the requirements of ANSI A135.6-2006. The tests shall be performed on uncoated. The engineered wood used shall be representative of any patterned engineered wood produced and submitted for testing.

4.2 Siding – The Ecoside™ Siding shall conform to the requirements of CAN/CGSB-11.5-M and ANSI A135.6. Typical properties are given in Table 1.

Table 1

Property		Value
Thickness	[mm]	9.5
Modulus of Rapture		
	parallel [MPa]	30.6
	perpend. [MPa]	32.3
Water Absorbtion	[%]	11.4
Thickness swell	[%]	5.6
Density	$[kg/m^3]$	676
Linear Expansion, 90%RH	[%]	0.26
Impact	[mm]	582
Hardness	[N]	4732
Nail-head Pull Resistance	[N]	1137
Lateral Nail Resistance	[N]	1323
Accelerated Aging		
	Residual MOR [%]	17

5. Codes, Standards, Evaluations

The engineered wood Siding conforms with:

CAN/CGSB-11.5-M87

ANSI A135.6-2006

Eco-side

LEEDS

Obtain up to 3 LEED Home Points				
Category	Intent	Requirement	Points	KWP Solution
Materials and Resources MR 2.2a	Increase demand for environmentally preferable products.	Recycled content, reclaimed or FSC-certified.	1/2 point - siding 1/2 point - trim	Our wood siding and trims are EPP certified 100% recycled or recovered wood fiber.
Materials and Resources MR 2.2 c	Increase demand for products that are extracted, processed, and manufactured within the region	Products must be extracted, processed and manufactured within 500 miles of the home.	1/2 point - siding 1/2 point - trim	Our wood siding and trims are manufactured in Terrebonne, Quebec and our wood supplier is located in Sayabec, Quebec and may contribute to points based on the proximity of the project.
Sustainable Sites SS 5.1	Design home features to minimize the need for poisons for control rodents.	Keep all wood at least 12 inches above soil.	**1/2 point**	Meets requirements of our installation guide.
		Where openings cannot be sealed, install rodent proof screens.	**1/2 point**	Our vinyl Anti-Rodent L-trim seals off any openings that cannot be caulked.

Obtain up to 5 LEED New Construction Points				
Category	Intent	Requirement	Points	KWP Solution
Materials and Resources MR 4	Increase the use of products that incorporate recycled content materials.	Use materials with recycled content such that the sum of recycled content constitutes at least 10% or 20% based of cost of total materials used on the project.	1-2 points	Our wood siding and trims are EPP certified 100% recycled or recovered wood fibers.
Materials and Resources MR 5	Increase the use of materials that are extracted and manufactured within the project region.	Use materials that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20% based on cost, of the total materials value. Only include permanent construction materials.	1-2 points	Our wood siding and trims are manufactured in Terrebonne, Quebec and our wood supplier is located in Sayabec, Quebec and may contribute to points based on the proximity of the project.
Materials and Resources MR 7	To encourage environmentally responsible forest management	Use a minimum of 50% (based on cost) of wood-based materials and products that are certified in accordance with the FSC principles and criteria, for wood building components (Permanent materials only).	**1 point**	Our Naturetech Prestige Engineered Wood Siding is FSC certified (Code FSC C101700).

Eco-side

Features & Benefits

ENGINEERED WITH A PURPOSE.

- KWP's engineered wood siding is made from 100% recovered hardwood and softwood fibers, perfect for LEED projects.
- The wood fibres are optimally blended using state-of-the art manufacturing which allows for maximum strength, impact resistance and dimensional stability.
- The wood content is super-refined, providing a denser core which is less susceptible to wicking moisture and allows tighter joints during installation
- KWP uses a proprietary NAF (non-formaldehyde) binder and hydrophobic wax emulsion additive to provide superior water resistance.
- Certified to the North American Eco-Certified Composite (ECC) Sustainability Standard as well as certified by the Forestry Stewardship Council (FSC), a step towards a greener, more sustainable tomorrow.

FSC
www.fsc.org
FSC® C101700

KWP | ENGINEERED WOOD PRODUCTS
www.kwpproducts.com

Eco-side™

SUSTAINABLE USE OF WOOD FIBER
ECO-CERTIFIED

About

Our Unique Painting Process

At KWP, we take pride in delivering a low-maintenance, esthetically pleasing product. Our painting process plays a huge role in providing the authentic look of wood without any of the upkeep. Here's our secret:

- A sealant is applied at the pressing of the panel, ensuring superior adhesion between our first coat of primer and the substrate.
- Next, we have our 3-coat painting process: 1 coat of primer and 2 top coats. We use an industrial exterior latex paint, formulated specifically for our application process.
- State-of-the-art temperature controlled air drying equipment is used versus oven-baked. We do this to maintain the maximum level of flexibility of the paint. This is key to avoid damages to the paint film.

FSC
www.fsc.org
FSC® C101700
La marque de la gestion forestière responsable

KWP | ENGINEERED WOOD PRODUCTS

Eco-side™

ECO-CERTIFIED

KWP ENGINEERED WOOD PRODUCTS

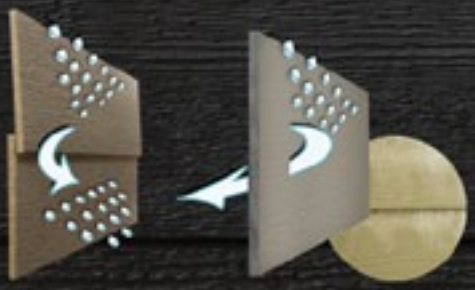
ENGINEERED WOOD SIDING VS FIBER CEMENT

Engineered wood siding: roughly half the weight of fiber cement.

= Fewer hands needed on job site.

KWP siding requires only one installer instead of two.

= Less labor costs.



KWP siding does not absorb moisture like porous fiber cement.

= No possibility of efflorescence.

KWP Siding will not crack, chip or break like fiber cement.

= Less waste

No special tools or respirators are required. Only standard woodworking tools.

= Safer work enviornment.

For more information please visit

www.kwpproducts.com

KWP

www.kwpproducts.com