

STS Panels®

STS Panels® are a modern take on traditional standing seam panels.

The seams have a unique design which reduces the installation time when installing panels.

Seams snap together onto concealed clips stainless steel clips (300mm spacings) without any need for tools to form the seams.

Seam Options

STS Panels® have two profiles options both can be used for roof or walls.

25mm seam x 425mm cover width panels for a minimum roof pitch of 7°

The 38mm seam x 386mm panels for a minimum roof pitch of 3°

Custom widths are possible as long as the custom cover width is less than the standard width.

Greencoat PLX Pural BT Our prime material offering for STS Panels®

With it's 25 year coating warranty and 50 year technical guarantee.

It offers a long lasting visually pleasing alternative solution. to more expensive metals.

Also available, Pre coated aluminum options, stainless steel & Aurubis Copper.

STS Panels® for both roof and walls.

Design requirements are for panels to be fully supported so they cannot span battens/rails.

Can be supplied with various flashings to make up a roof or wall panels system.

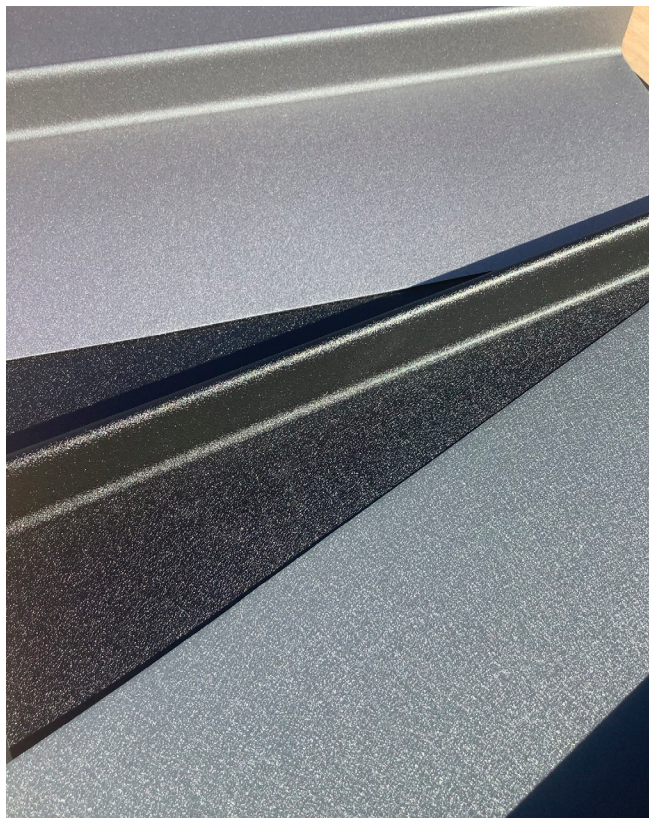
STS Panels® are ideal for simple projects which do not have complicated details.

For more complex projects TSS Panels® would be more suited as the seams can be folded by trained installers to produce other details such as a gutter less eaves detail where the wall and roof seams run continuously.

STS Panels® *

Not available in real zinc.

For real zinc roofing and cladding you will require TSS Panels® to select from Nedzink, ZM Silesia or Zintek Coloured Zinc options.



Snap Together Seam

STS Panel Roof In Progress



Standard Flashings:

Various standard roof and wall flashings are available, custom made flashings are possible when supplied with a drawing clearly showing any dimensions, angles and the intended the finish side.

TSS Panels®

TSS Panels® are traditional standing seam panels.

Can be supplied to site in pre rolled panels along with lengths of various flashings.

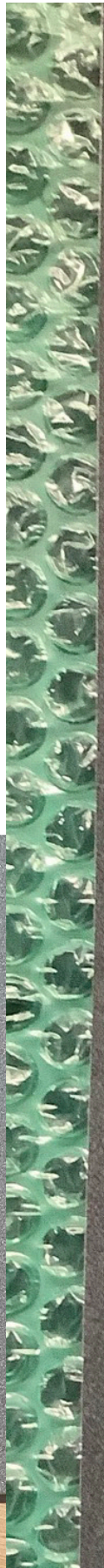
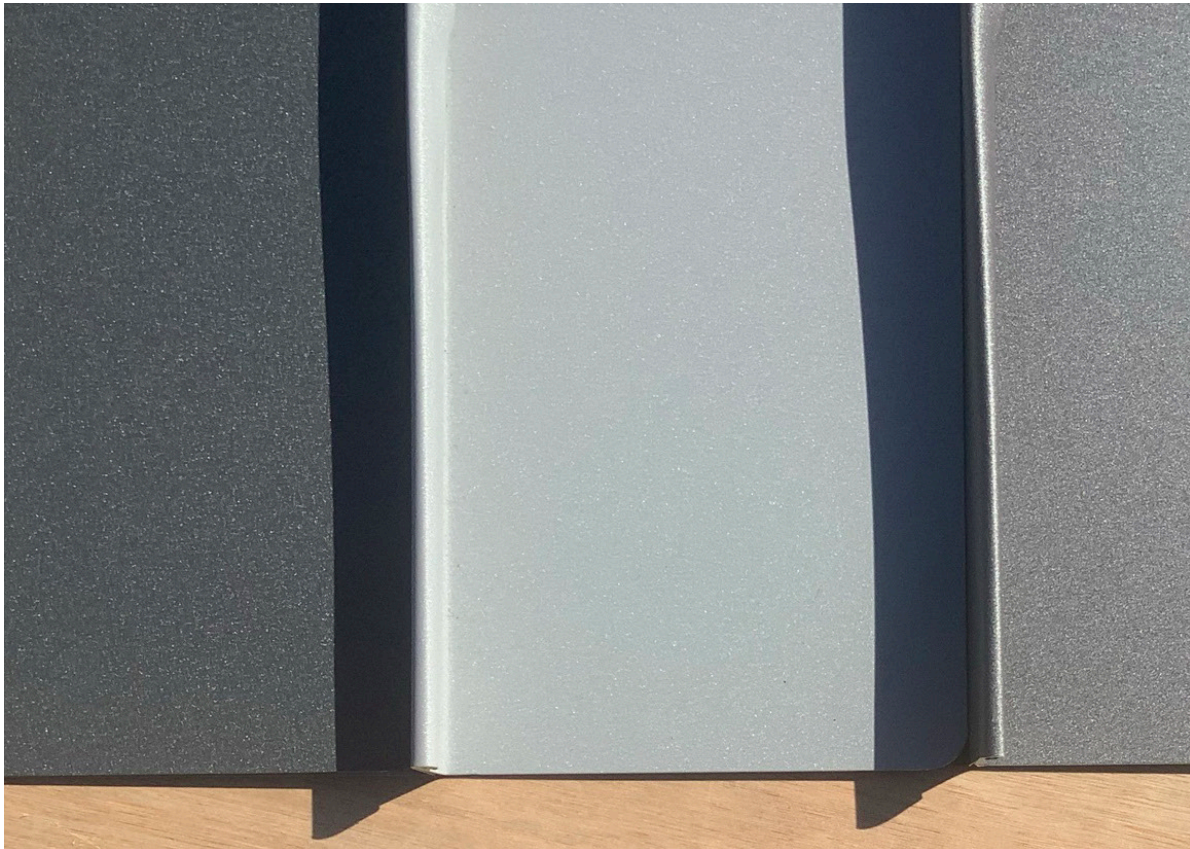
Alternatively we can arrange roll forming of panels on site to any length.

For supply and install packages the flashings may also be made on site by skilled installers.

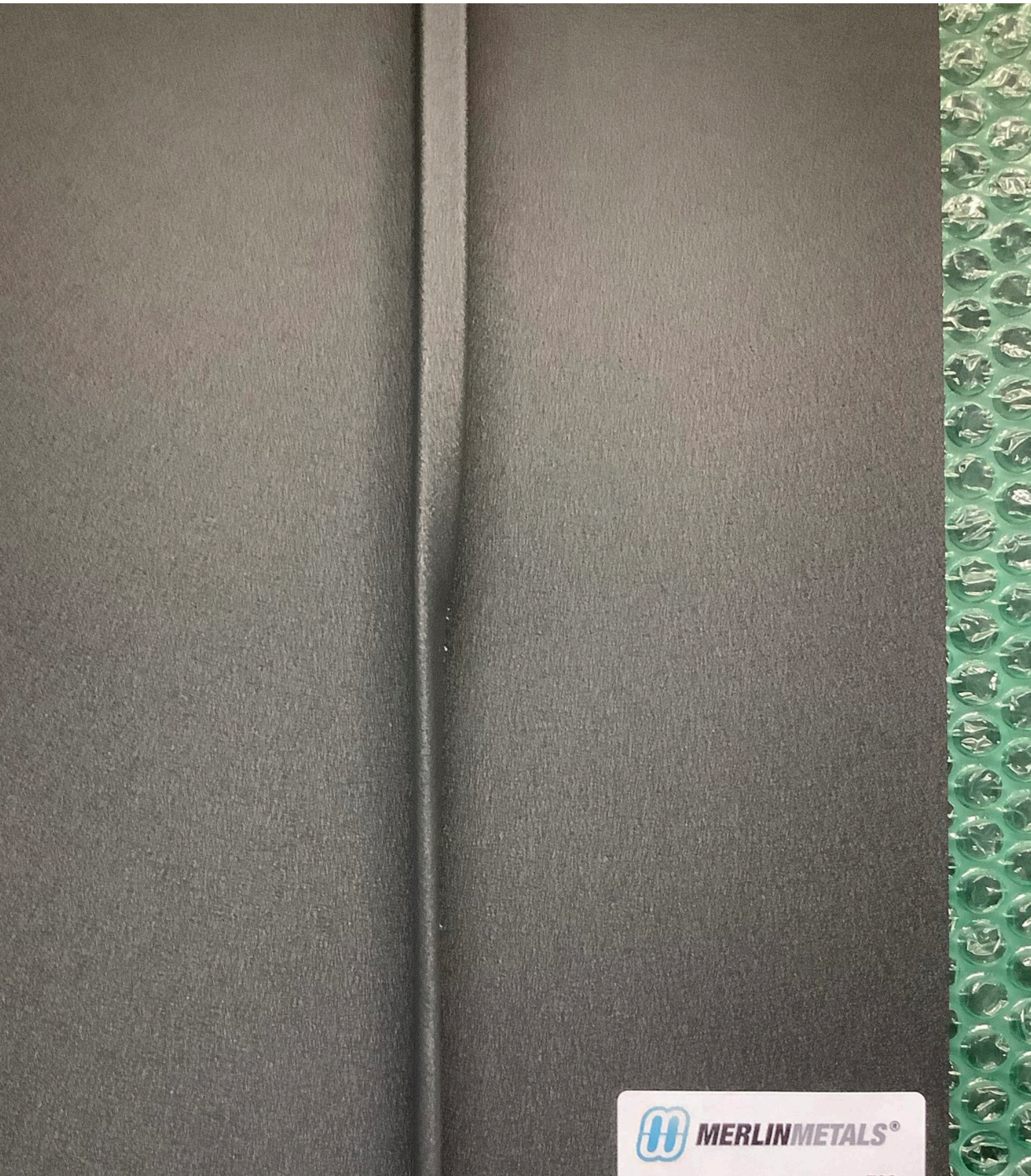
Standard cover widths are 530mm for roof panels and 430mm for wall panels.

Seam height 25mm suitable for roof pitches as low as 3 degrees (5 degrees is recommended).

TSS Panels® require skilled and experienced hard metal roofing experts to produce some of the more elaborate detailing. Merlin Metals can direct customers to a training centre where customers can learn the skills needed to install either snap together or traditional standing seam panel systems.



Traditional Standing Seam



Standing Seam Roof - Angle Seam Walls

The above example shows TSS Panels®
in roof and wall format.

Roof Flashings

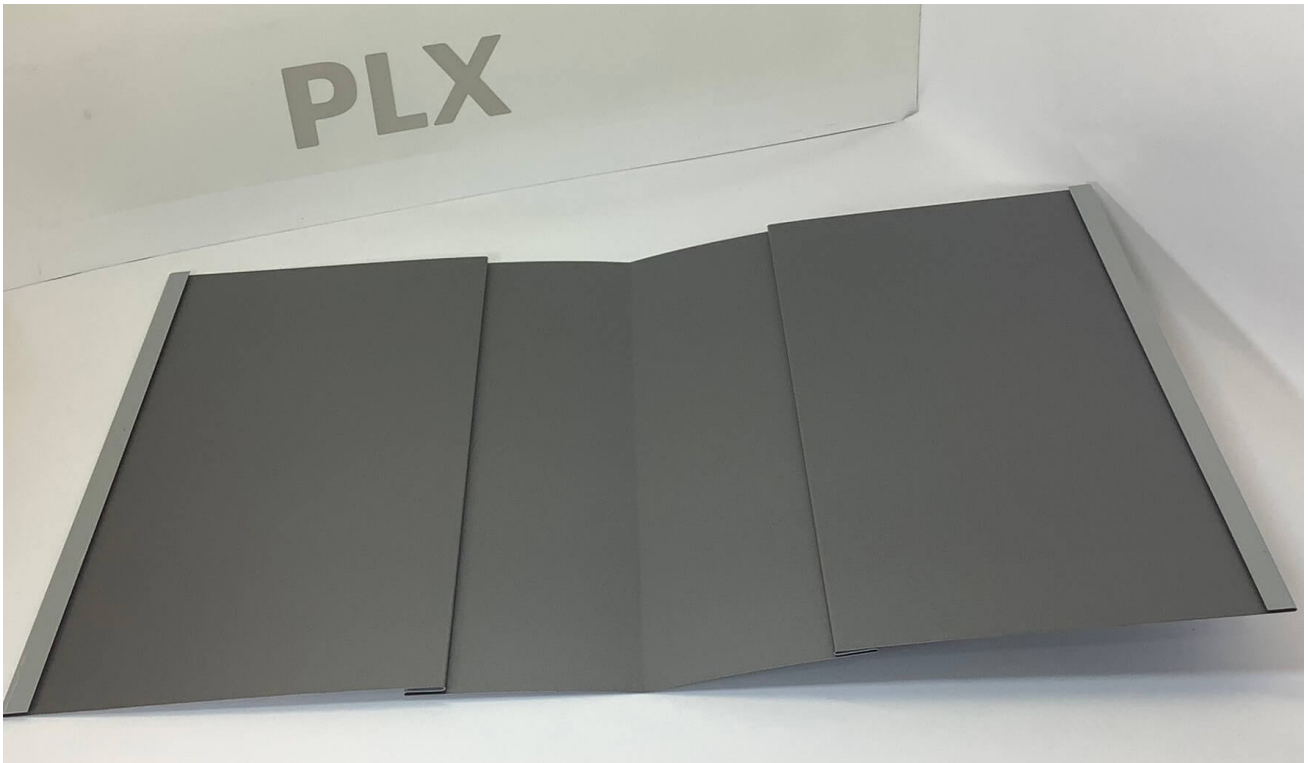
Standard lengths are 2000mm long. up to 4000mm long may be possible upon request.

To provide a quote for custom flashings we need the metal, the length and width (total girth of the unfolded metal)

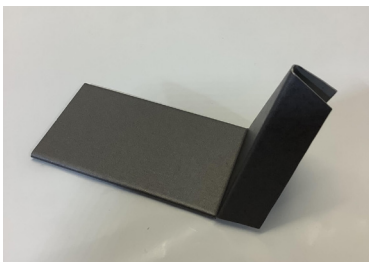
To order custom flashings we require a clear drawing showing the dimensions/angles/finish side.

Note* Flashings with a galve liner such as;

Ridge, Apex & Abutment are normally sold in 2000mm lengths because the liners come in 2000mm standard lengths.

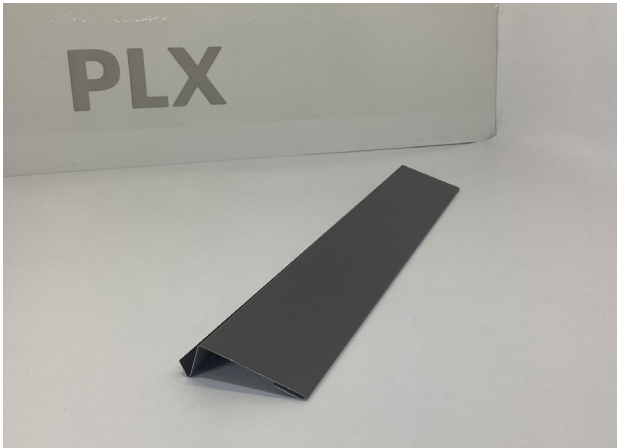


Valley Flashings*



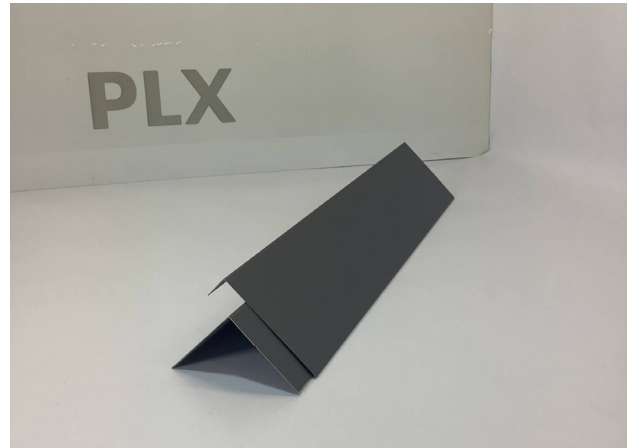
Head Seam Slider*

★ Have 1 or more project specific dimensions/angles that will need to be known before placing the order.



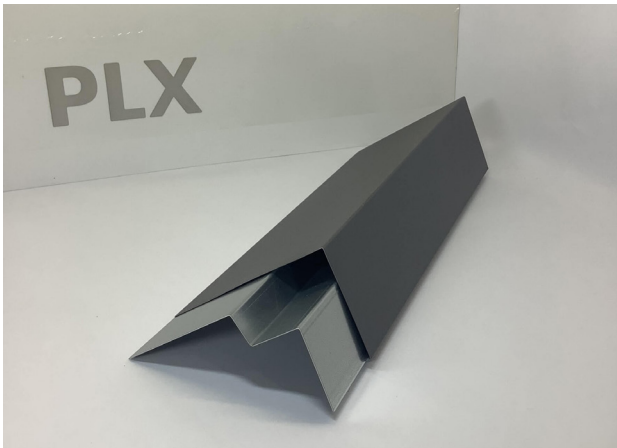
Chase Flashing

For use with abutment flashing.



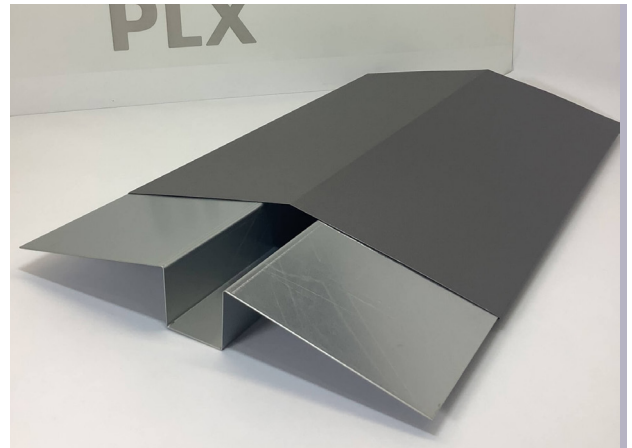
Verge Flashings

Supplied with liner flashing.



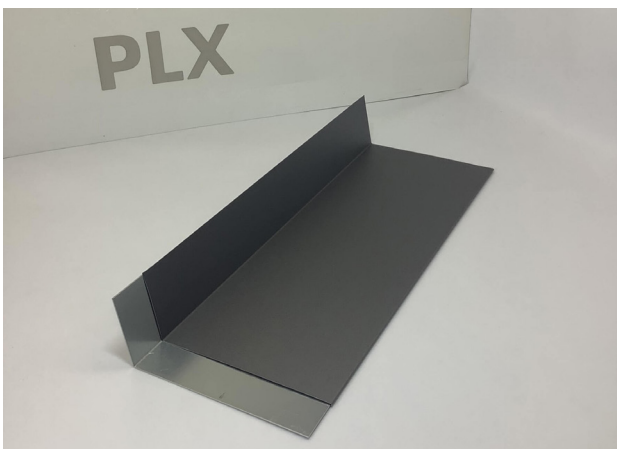
Apex Flashing*

Supplied with liner flashing, foam fillers and butt straps



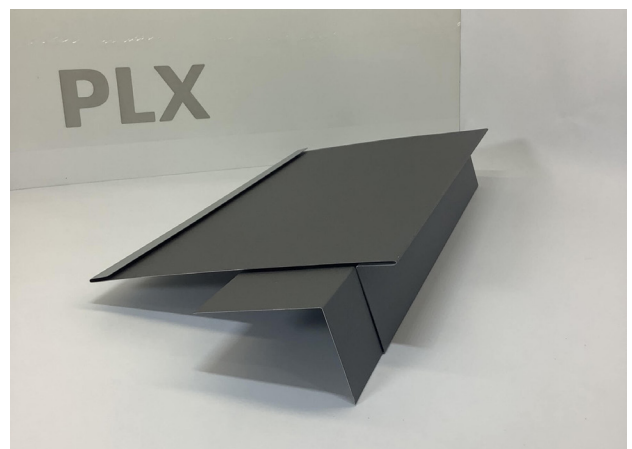
Ridge Flashing*

Supplied with liner flashing, foam fillers and butt straps



Abutment Flashing*

Supplied with liner flashing, foam fillers and butt straps



Eaves Flashing*

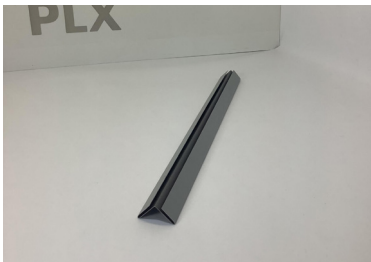
Supplied with eaves liner flashing.

Wall Flashings

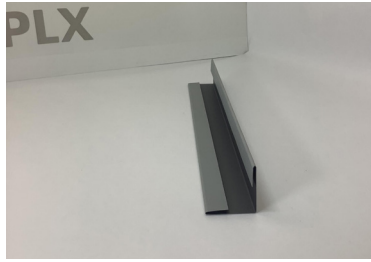
Standard lengths are 2000mm long. up to 4000mm long may be possible upon request.

To provide a quote for custom flashings we need the metal, the length and width (total girth of the unfolded metal)

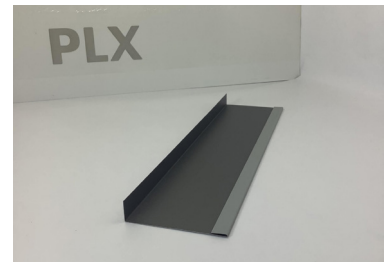
To order custom flashings we require a clear drawing showing the dimensions/angles/finish side.



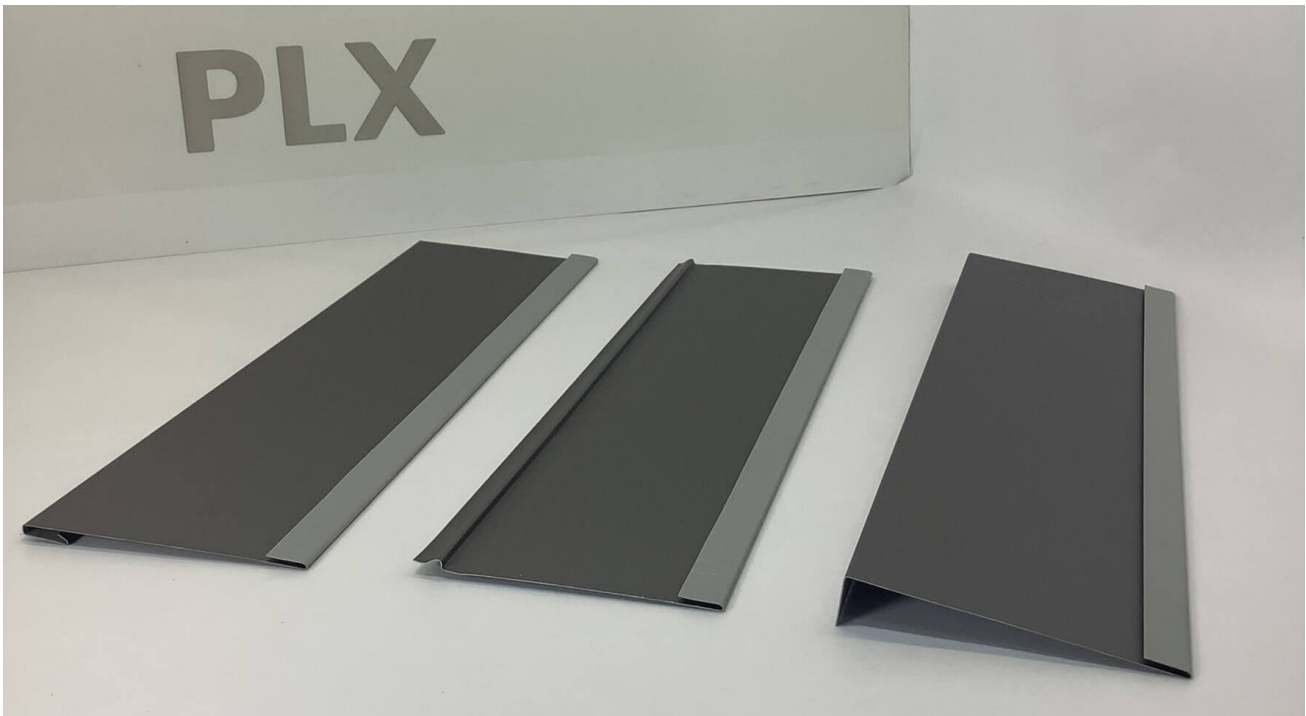
External Corner



Internal Corner



Head*

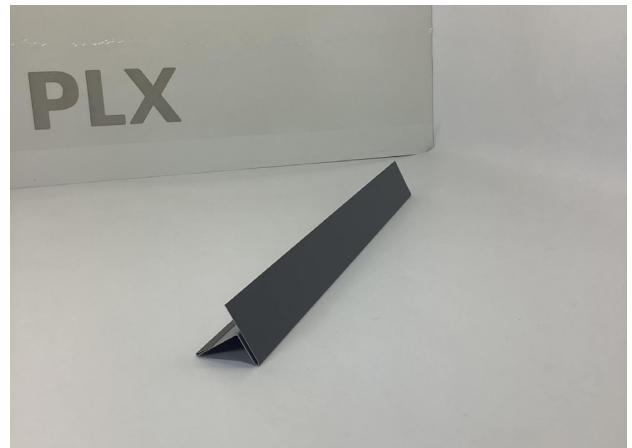


Reveal Flashings 1 2 & 3*

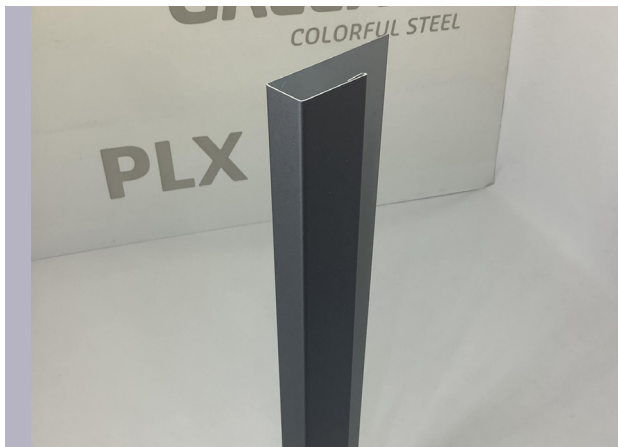
★ Have 1 or more project specific dimensions/angles that will need to be known before placing the order.



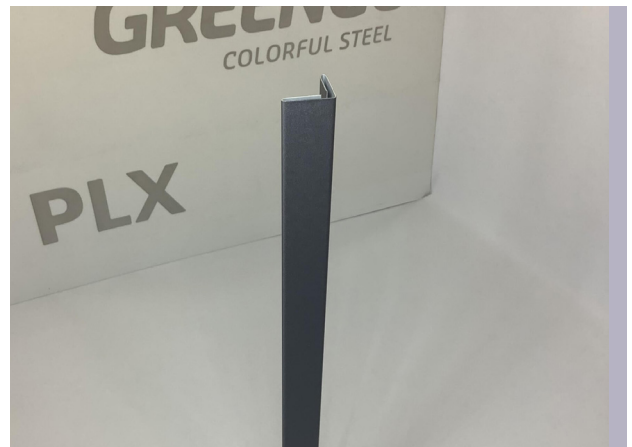
Base 1*



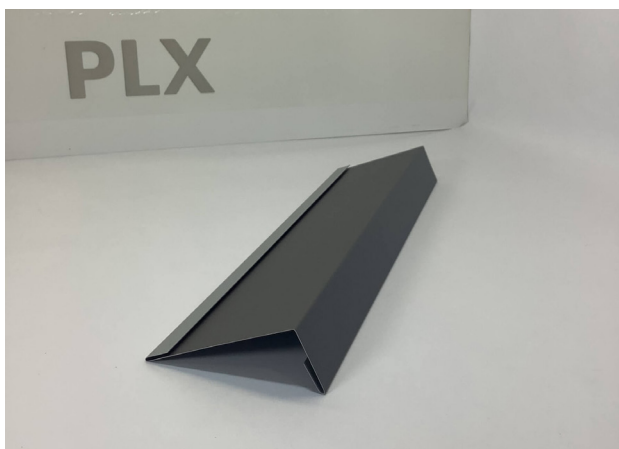
Base 2*



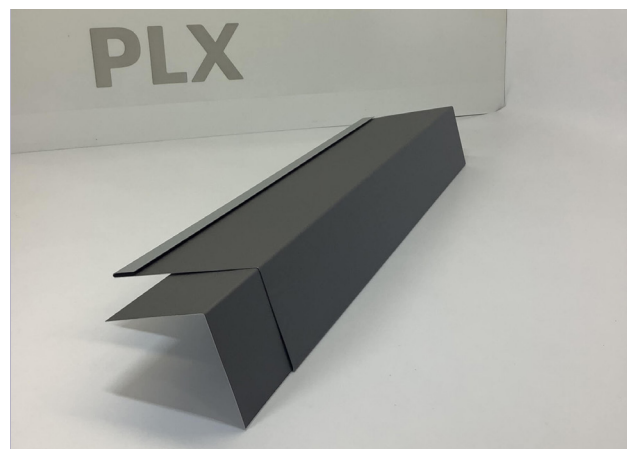
Box Abutment



Coulisseau



Cill*



Ventilated Cill*

Roof Flashings

| Panel Profile Type | Minimum Pitch 7 ° | Minimum Pitch 3 ° |
|--------------------|-------------------|-------------------|
| STS Panels® | 25mm Seam | 38mm Seam |
| TSS Panels® | | 25mm Seam |

*Circle to select the panel profile option these flashings relate to.

| Standard | Drawing Ref. | Girth | Length mm | Quantity |
|----------|--------------|-------|-----------|----------|
| Eaves | | | | |
| Ridge | | | | |
| Apex | | | | |
| Verge | | | | |
| Abutment | | | | |
| Chase | | | | |
| Valley | | | | |

[illegible]

Materials

0.6mm Greencoat PLX Pural BT

0.7mm Pre Coated Aluminium

0.5mm Roofinox Stainless Steel

0.5mm Corten Steel

0.6mm Aurubis Copper

0.8mm Nedzink

0.8mm ZM Silesia

0.8mm Zintek

*** If planning to use STS Panels®**

**The Zinc Options Above Are Only Available in
TSS Panels® (Traditional Standing Seam)**

Note:

Please provide related drawings.
Clearly showing all dimensions.
Angles & the finish side.

Ensure the person installing,
Checks & confirms all items,
as correct before ordering.

We can not be held responsible,
for the accuracy of schedules.
Customers must thoroughly,
check order details to avoid,
production errors &
additional related costs.
Related to correcting any errors.

| Customer Name | Project Ref. | Sheet No. | Date | Metal Finish |
|---------------|--------------|-----------|------|--------------|
| | | | | |

Wall Flashings

| Panel Profile Type | Minimum Pitch 7 ° | Minimum Pitch 3 ° |
|--------------------|-------------------|-------------------|
| STS Panels® | 25mm Seam | 38mm Seam |
| TSS Panels® | | 25mm Seam |

*Circle to select the panel profile option these flashings relate to.

| Standard | Drawing Ref. | Girth | Length mm | Quantity |
|---------------------|--------------|-------|-----------|----------|
| Ventilated Cill | | | | |
| Cill | | | | |
| Head | | | | |
| Wall Abutment | | | | |
| Box Abutment | | | | |
| Base 1 | | | | |
| Base 2 | | | | |
| Internal Corner | | | | |
| External Corner | | | | |
| External Coulisseau | | | | |
| Reveal 1 | | | | |
| Reveal 2 | | | | |
| Reveal 3 | | | | |

| Custom | Drawing Ref. | Girth | Length mm | Quantity |
|--------|--------------|-------|-----------|----------|
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Materials

0.6mm Greencoat PLX Pural BT
 0.7mm Pre Coated Aluminium
 0.5mm Roofinox Stainless Steel
 0.5mm Corten Steel
 0.6mm Aurubis Copper
 0.8mm Nedzink
 0.8mm ZM Silesia
 0.8mm Zintek

* If planning to use STS Panels®

The Zinc Options Above Are Only Available in TSS Panels® (Traditional Standing Seam)

Note:

Please provide related drawings. Clearly showing all dimensions. Angles & the finish side.

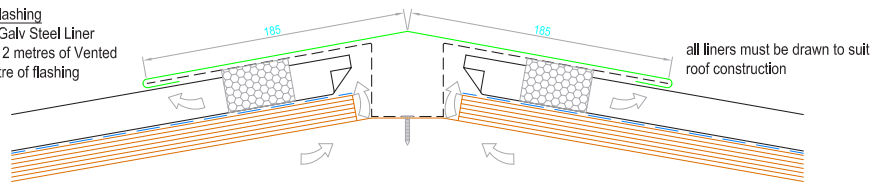
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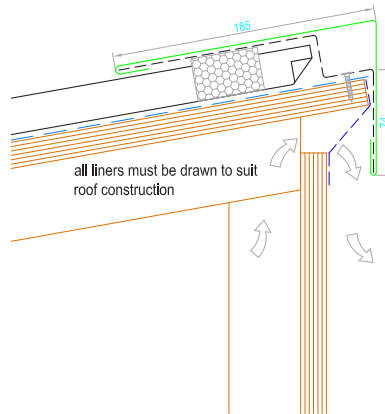
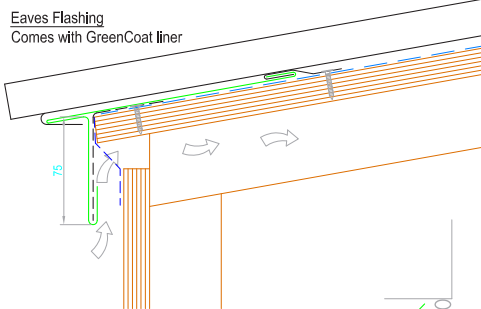
| Customer Name | Project Ref. | Sheet No. | Date | Metal Finish |
|---------------|--------------|-----------|------|--------------|
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Roof Flashings Details

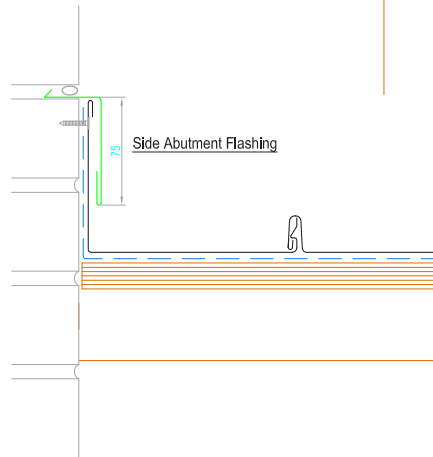
Duo Ridge Flashing
Comes with Galv Steel Liner
and requires 2 metres of Vented
Filler per metre of flashing



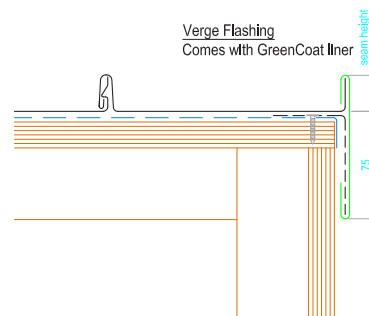
Eaves Flashing
Comes with GreenCoat liner



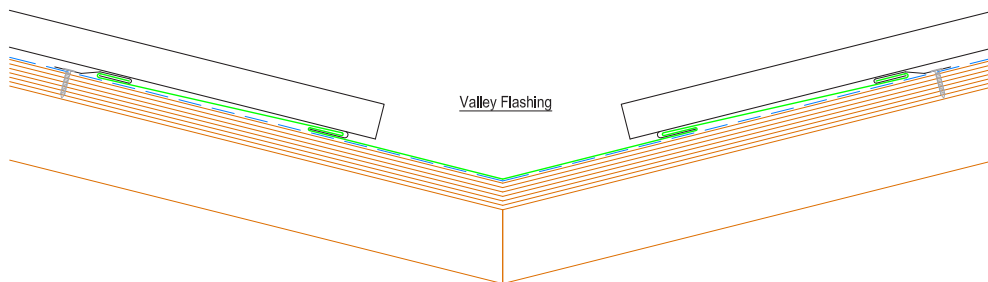
Mono Ridge Flashing
Comes with Galv Steel Liner
and requires 1 metre of Vented
Filler per metre of flashing



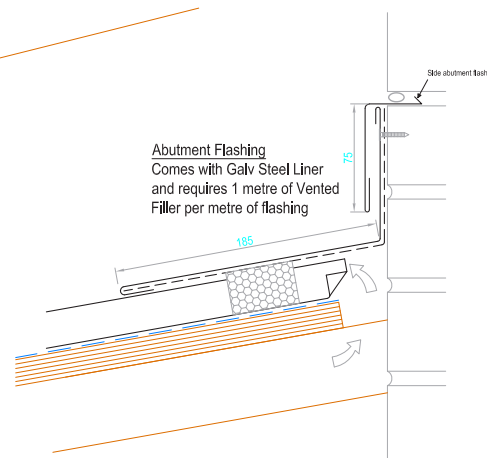
Side Abutment Flashing



Verge Flashing
Comes with GreenCoat liner



Valley Flashing

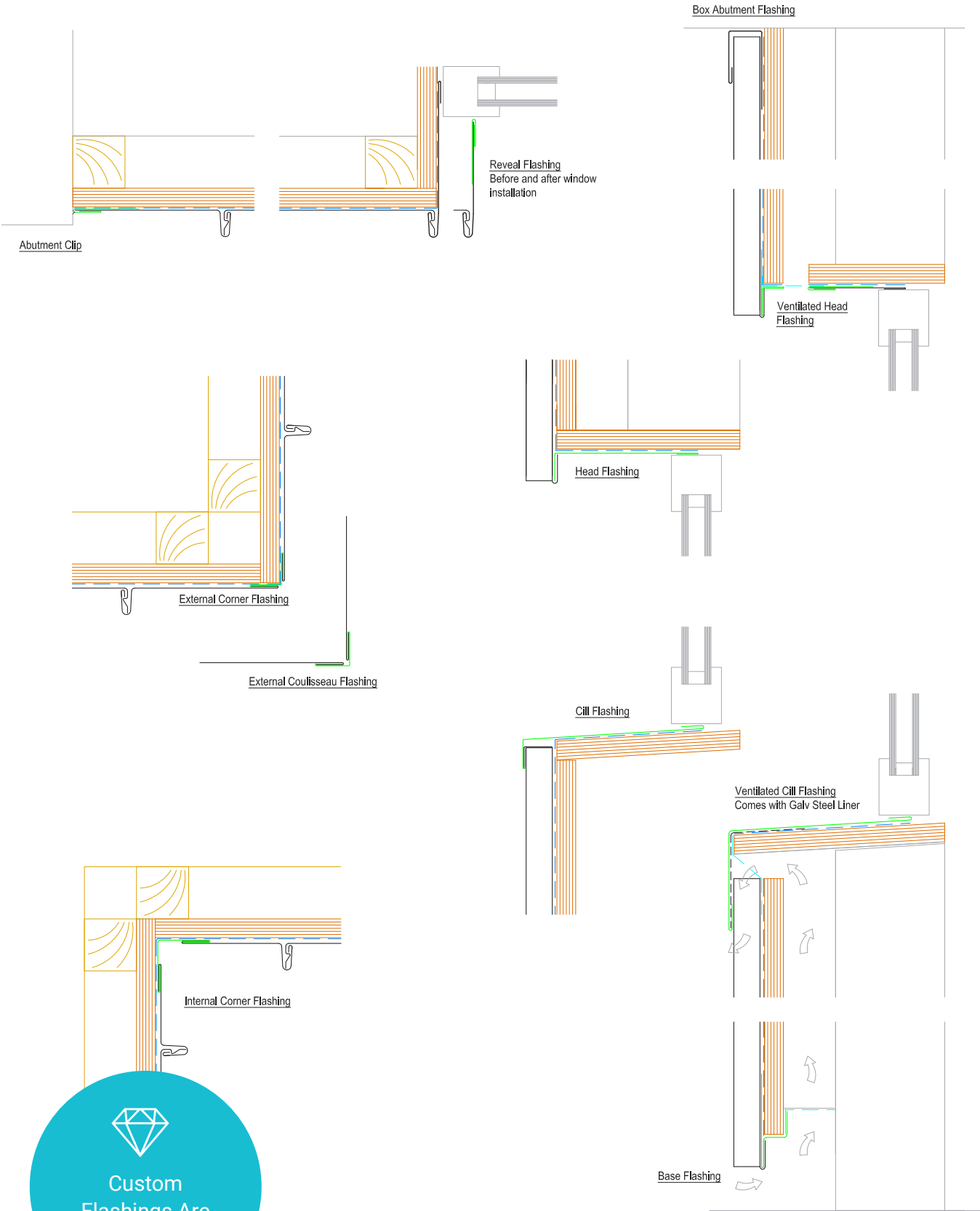


Abutment Flashing
Comes with Galv Steel Liner
and requires 1 metre of Vented
Filler per metre of flashing



Custom
Flashings Are
Available

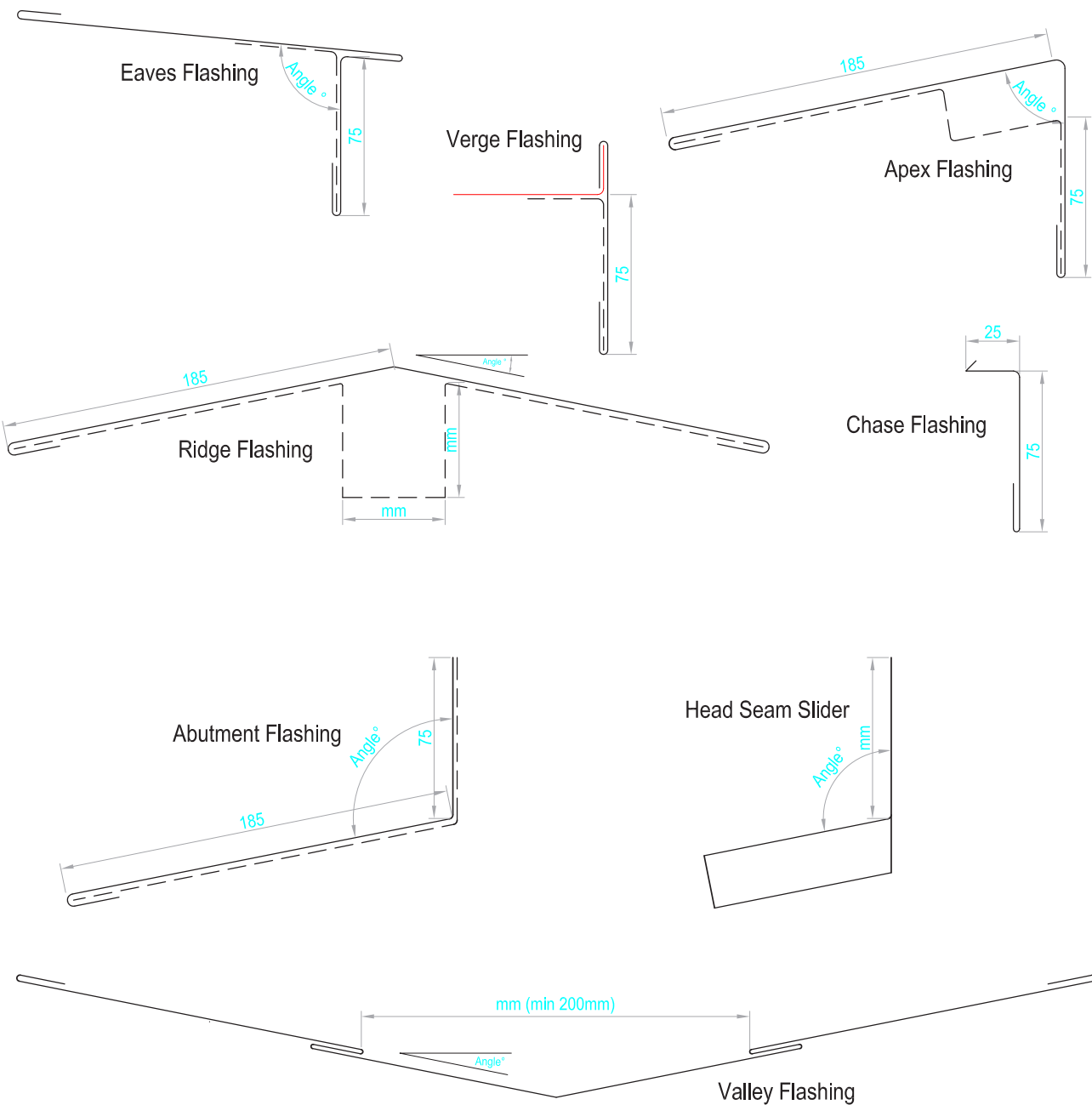
Wall Flashings Details




Custom
Flashings Are
Available

Roof Flashing Drawing Templates

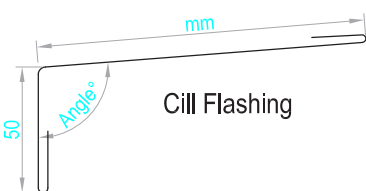
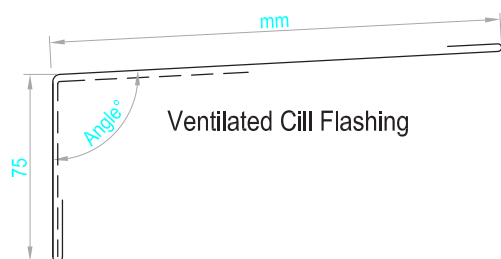
The standard roof flashing drawing templates shown below can be used to place orders.
Simply add your own project specific dimensions and angles.
Send a copy along with any completed order forms to mail@merlinmetals.com



| Customer Name | Project Ref. | Sheet No. | Date | Metal Finish |
|---------------|--------------|-----------|------|--------------|
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Wall Flashing Drawing Templates

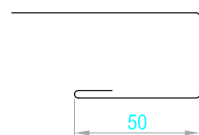
The standard wall flashing drawing templates shown below can be used to place orders.
Simply add your own project specific dimensions and angles
Send a copy along with any completed order forms to mail@merlinmetals.com



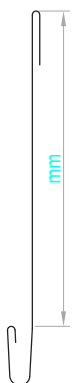
Abutment Flashing



Box Abutment Flashing



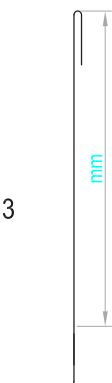
Reveal Flashing 1



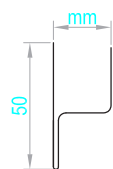
Reveal Flashing 2



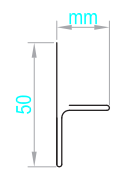
Reveal Flashing 3



Base Flashing 1



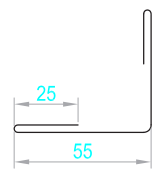
Base Flashing 2



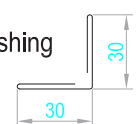
External Corner Flashing



Internal Corner Flashing



External Coulisseau Flashing



| Customer Name | Project Ref. | Sheet No. | Date | Metal Finish |
|---------------|--------------|-----------|------|--------------|
| | | | | |