



upvc rain Gutters & Fittings



OUR COMPANY

Established in 2011, Middy Industries is a fastgrowing manufacturer of gutter system products in Malaysia. We are committed to delivering exceptional products and services to exceed our customers' expectations, both locally and globally. RESPONSIBLE SERVICES CONSISTENT QUALITY REASONABLE PRICES CONTINUOUS IMPROVEMENTS

BRAND MISSION

RESEARCH & DEVELOPMENT

To adapt to the rapidly changing environment, our R&D team works unconditionally to research and develop new solutions for product innovation.



QUALITY ASSURANCE

Our production facilities are supervised by experienced professionals, ensuring the highest standards for every product we deliver.



RELIABLE TEAM

With years of specialization in gutter systems, our experienced and knowledgeable team is trained to provide customized solutions, expert advice and personalized service.





iddy rain gutter systems are essential for protecting your home. They efficiently drain rain water, thus saving on maintenance costs for years.

Our uPVC rain gutters meet SIRIM certification, ensuring reliability. We are committed to providing excellent service to meet our customers' needs.

Choose Middy as your partner for all your gutter system needs. Experience the difference and let us exceed your expectations in the rain gutter systems industry.



THE ADVANTAGES OF MIDDY GUTTERS













GUTTER STRAP

SOCKET



BRACKET



EASY FAST BRACKET



END CAP

ADJUSTABLE BRACKET



FITTINGS & ACCESSORIES

BRACKET

SERIES

CORNER SERIES



ORIGINAL **OUTLET 4**"



FIN OUTLET 3"





FAB OUTLET 3"



CORNER OUT



CORNER OUT C/W OUTLET 3"



CORNER OUT C/W OUTLET 4"

CORNER IN C/W

OUTLET 4"



CORNER OUT 45°



CORNER IN 45°



CORNER IN



CORNER IN C/W



OUTLET 3"









GUTTER STRAP

SOCKET







EASY FAST BRACKET



ADJUSTABLE BRACKET



FITTINGS & ACCESSORIES

RACKET SERIES





CORNER SERIES



ORIGINAL **OUTLET 4**"



FIN OUTLET 3"





FAB OUTLET 3"



CORNER OUT



CORNER OUT C/W OUTLET 3"



CORNER OUT C/W OUTLET 4"

CORNER IN C/W

OUTLET 4"



CORNER OUT 45°



CORNER IN 45°



CORNER IN











G100 BOX GUTTER







GUTTER STRAP

SOCKET

END CAP



INTERNAL BRACKET



EASY FAST BRACKET



ADJUSTABLE BRACKET



BRACKET SERIES



CORNER SERIES



ORIGINAL **OUTLET 4**"



FIN OUTLET 3"





FAB OUTLET 3"



CORNER OUT

CORNER IN



CORNER OUT C/W OUTLET 3"



CORNER IN C/W OUTLET 3"



FIN OUTLET 4"

CORNER OUT C/W OUTLET 4"



CORNER IN C/W OUTLET 4"



CORNER OUT 45°



CORNER IN 45°



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G100 Series

uPVC rain gutter systems

BRACKET SERIES

The G100 uPVC Rain Gutter system provides three options for bracket installation, each with its own advantages.



INTERNAL BRACKET

A hidden and modern solution for installation, providing an elegant appearance.



EASY FAST BRACKET

The design of side wings gives an easier solution for faster and effortless installation.



ADJUSTABLE BRACKET

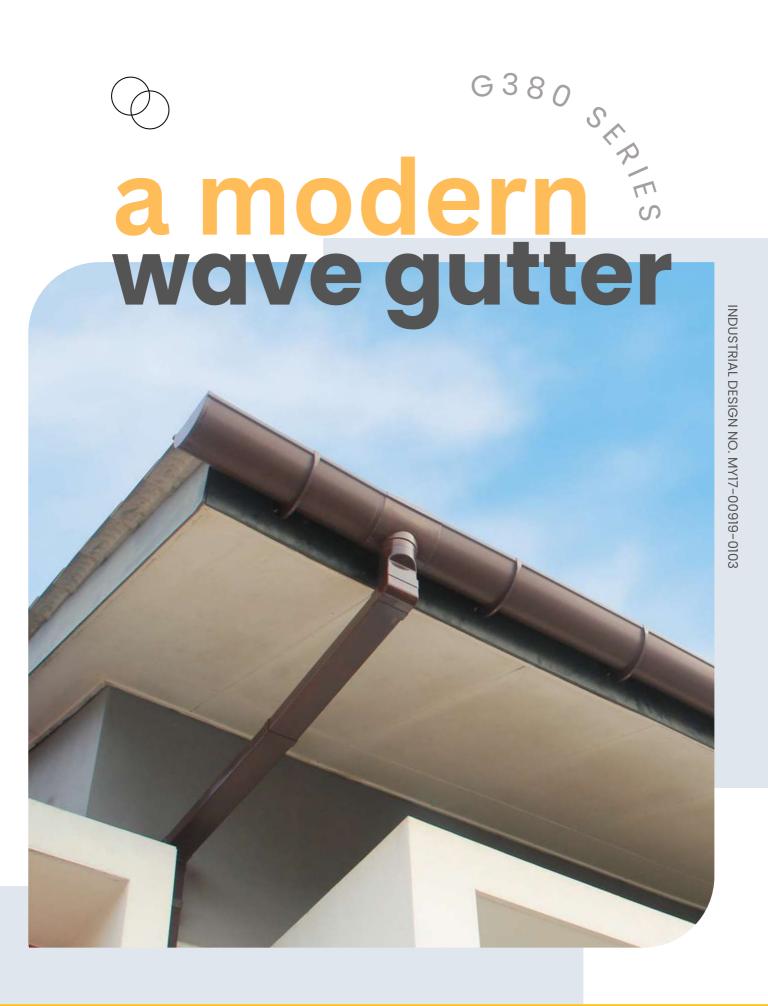
Perfect for uneven fascia board. It is the best solution for a strong and stable structure.

PROJECT SPECIFICATIONS

Detailed guideline for project specifications.

Notice : For better maintenance against thermal expansion and contraction. ≥Every 5.8 meters of uPVC Rain Gutters should be installed with one piece of Original Outlet. ≥It is recommended to install Gutter Straps and Internal Brackets at 0.6 meters (2 feet) intervals along the uPVC Rain Gutters to support and strengthen the uPVC Rain Gutters. 1 **ORIGINAL OUTLET GUTTER STRAP INTERNAL BRACKET** Proper equipment for ▶ The first manufacturer Better support for uPVC installation against invented Gutter Strap Rain Gutters while thermal expansion and facing thermal To protect the shape of contraction. expansion and the uPVC Rain Gutters contraction. Easy for installation, from deformation. no solvent cement or To strengthen the silicone required. qualities of the uPVC Rain Gutters. G100 SERIES with Hidden Internal Bracket

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G380 WAVE GUTTER







GUTTER STRAP

SOCKET





BRACKET



ADJUSTABLE BRACKET



BRACKET SERIES



CORNER SERIES



ORIGINAL OUTLET 3"



ORIGINAL OUTLET 4"





FIN OUTLET 4"



CORNER OUT



CORNER OUT C/W OUTLET 3"



OUTLET 3"

CORNER OUT C/W OUTLET 4"





CORNER IN



CORNER IN C/W OUTLET 3"



CORNER IN C/W OUTLET 4"



CORNER IN 45°



G380 WAVE GUTTER







END CAP

GUTTER STRAP

SOCKET



BRACKET



ADJUSTABLE BRACKET



BRACKET SERIES



CORNER SERIES



ORIGINAL OUTLET 3"



CORNER OUT



ORIGINAL **OUTLET 4**"



OUTLET 3"

FIN OUTLET 4"



CORNER OUT 45°



CORNER IN



CORNER IN C/W

OUTLET 3"





CORNER IN 45°

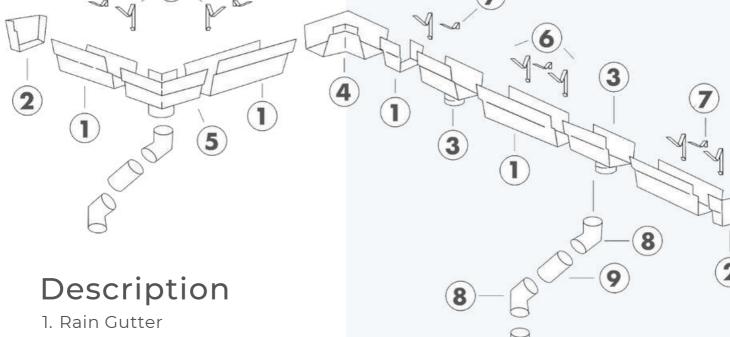


CORNER IN C/W OUTLET 4"





TECHNICAL GUIDELINE



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- 2. End Cap
- 3. Original Outlet 4"
- 4.Corner In
- 5. Corner Out C/W Outlet 4"
- 6. Internal Bracket
- 7. Gutter Strap
- 8.Bend 45°
- 9. Downpipe

NOTICE:

- > 2.9 meter Middy G100 Rain Gutter System : DIY friendly installation.
- > 5.8 meter Middy G100 Rain Gutter System : Specialist installation recommended.

Storage Instructions

uPVC rain gutter systems

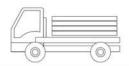
STORAGE INSTRUCTIONS

A proper storage is important to guarantee the quality of the uPVC Rain Gutters, and ensure a seamless service to our customers.

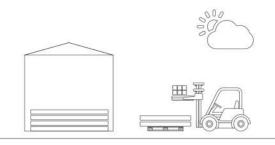
HORIZONTAL PLACEMENT







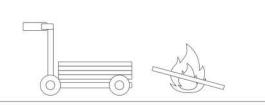
 Load the Rain Gutters horizontally during transportation to distribute the weight evenly and prevent damage.



 To maintain the durability, the uPVC Rain Gutters should be placed on a reasonably flat surface.
Store them in a shaded area or cover them with heat-resistant plastic.

AVOID DIRECT HEAT





Avoid storing uPVC Rain Gutters near heat sources or exposing them to direct sunlight as this could damage the uPVC Rain Gutters.



For best results, please handle the uPVC Rain Gutters according to the instructions in this brochure. Make sure all health and safety procedure guidelines are followed.

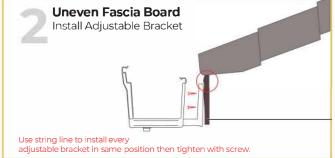
uPVC rain gutter systems

INSTALLATION GUIDE

Tools & equipment for uPVC Rain Gutter system installation.







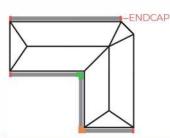
CALCULATION

To calculate the number of UPVC Rain Gutter & Fittings required.

CORNER count the number of corner needed with the correct degree.
RAIN GUTTER
OUTLET count the number of outlet needed.
SOCKET socket is only required as a connector in a certain situation.
GUTTER STRAPS 🔔 divide total length of uPVC Rain Gutters by 0.6 meters to determine the number of gutter strap needed.
BRACKET divide total length of uPVC Rain Gutters by 0.6 meters to determine the number of bracket needed.
END CAP count the end of Rain Gutters where end cap is required to be placed. If the entire roof is surrounded by Rain Gutters, no end cap is required.

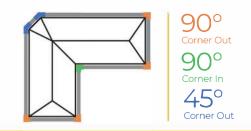
END CAP

End Cap is required to close off the end of Rain Gutters.





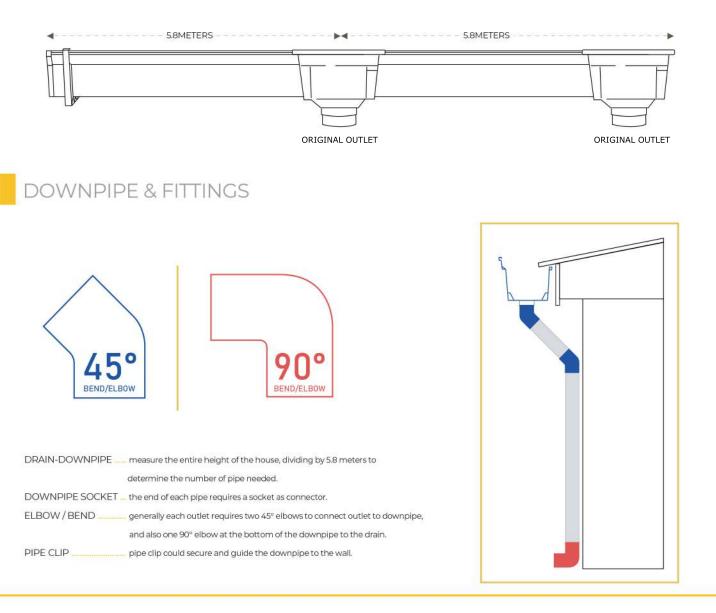
Corner connects the Rain Gutters at any angle changes.



BRACKET & GUTTER STRAP BRACKET & GUTTER STRAP Brackets are required to support the Rain Gutters. It is recommended to install at intervals of 0.6 meters (2 feet). Brackets are required to support the Rain Gutters. It is recommended to install at intervals of 0.6 meters (2 feet).

OUTLET

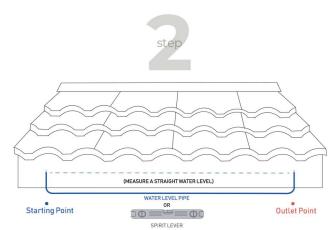
Original outlet is required to drain water into the downpipe. One piece of original outlet is needed per 5.8 meters of uPVC Rain Gutter.



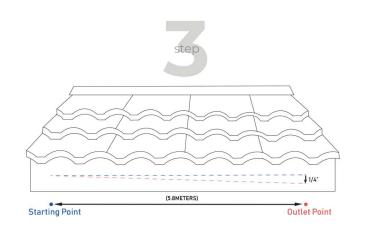
uPVC rain gutter systems

step

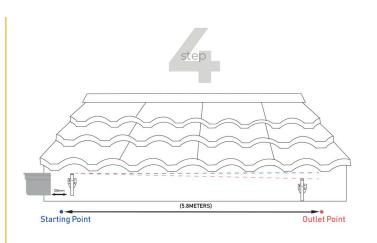
Determine the location of starting point and the outlet point.



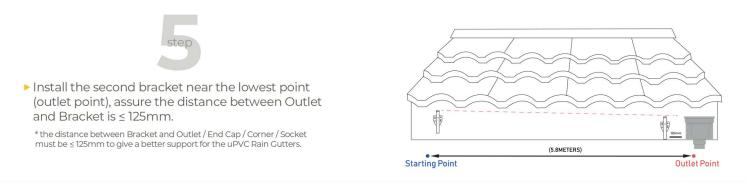
Use spirit lever or level pipe to make sure the water level on fascia board is straight, mark the starting point and outlet point.



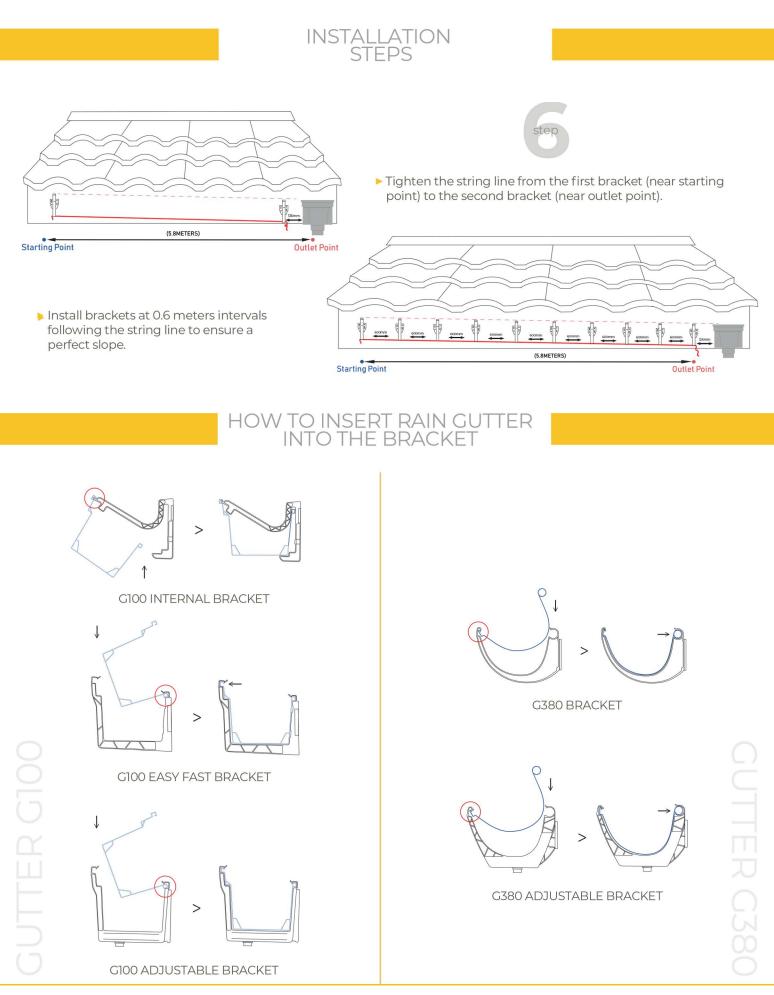
► To increase the speed of waterflow, mark the lowest point with a 0.64cm (¼ inch) downward slope from the outlet point, then mark the outlet point as highest point.



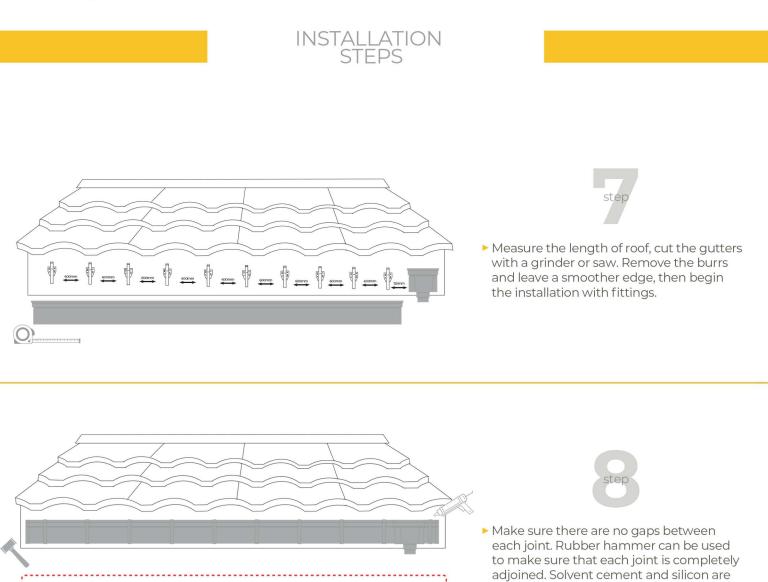
Install the first bracket near the highest point (starting point), assure the distance between End Cap / Corner and Bracket is ≤ 125mm.



uPVC rain gutter systems



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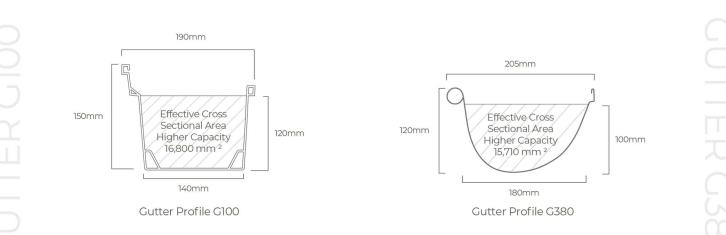


PRODUCT DETAILS

* Original Outlet does not require solvent cement and silicone for installation.

required for each type of Joint : Socket,

Outlet Fin, Corner and End Cap



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Fast • Reliable • Durable

uPVC rain gutter systems



MIDDY INDUSTRIES SDN BHD

(947045-K)