

# DIAMOND TOUGH SHEDS, BARNES & PATIOS

## PRODUCT CATALOGUE



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# ABOUT

Diamond Tough is a reputable Australian company that designs and distributes quality sheds, garages and custom steel buildings.

Products include: patios, carports, garages, rural sheds and barns. All designs can be rated to suit cyclonic areas.

Diamond Tough buildings are manufactured by Metroll from high grade BlueScope® steel.

The doors and windows used in Diamond Tough products are accessed from high quality Australian suppliers. Fully engineered for the Australian market and the toughest weather conditions, Diamond Tough products come with the certification required for council documentation.

You can choose from a wide variety of Diamond Tough standard designs, or buildings that can be tailored to your needs. As well as a wide range of building plans, you can also choose from a broad range of COLORBOND® steel colours.

When you buy Diamond Tough product, you are dealing with local people, local expertise and local service whilst choosing from an extensive range of quality Australian products.

Diamond Tough are supported with new product innovations as well as software and engineering updates to provide you with the latest product upgrades and designs.

Diamond Tough source all components locally through a strategic alliance with the Metroll® group of companies.

Metroll® has more than 26 manufacturing facilities spread across Australia to provide local service to our customers with reduced manufacturing time and deliveries to your building site.





## UNIQUE BENEFITS



Diamond Tough is positioned to offer customers choice, local service and support with quality steel products.

### Choice

- Extensive range of flexible designs
- Wide range of standard designs & colours
- Custom designed & engineered for your site
- Council documentation included
- Supplier or cyclonic rated buildings

### Local Service & Support

- Local service & support from your local Metroll distribution centre
- Hassle free process from quote to order to delivery
- DIY assembly kit with easy to follow instructions & DVD available
- Provide referrals to qualified builders for installation
- Nationwide distribution through 25 Metroll® manufacturing locations
- Nationwide fleet of 150 trucks

### Quality Steel Products

- High grade BlueScope Steel® materials
- Fully engineered & certified to suit Australian conditions
- All designs comply with strict Australian Building Code
- Proven track record, with thousands of sheds supplied all around Australia
- Termite resistant materials
- Packaged for easy delivery to your site
- Over 1000 standard & custom designs







7. Double Garage



9. Colonial Style Shed



8. Machinery Shed



10. Outdoor Recreational



# SHEDS

Diamond Tough sheds add value, aesthetic appeal and function of your home. Whether you are looking for a man shed, storage shed, or hobby shed you cannot go past an Diamond Tough shed.

Diamond Tough sheds are designed and manufactured from the finest grade BlueScope® steel products for added strength and durability.

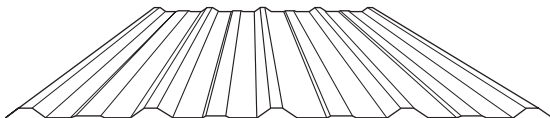
All shed designs are fully engineered to comply with the strict Australian Building Codes and are supplied with documentation to simplify council building approvals.

Diamond Tough sheds come in kit form with all components and accessories included. You can choose to assemble your industrial shed and save, or contact a Diamond Tough representative to help you organise a team of experienced builders to construct your building.

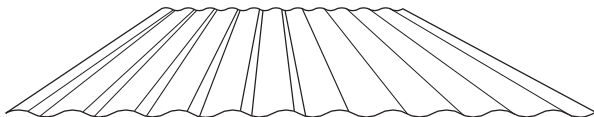
## Benefits

- Offers obligation free quotes
- Provides location-specific designs & engineering specs
- Includes location-specific wind loads
- Contains over 1000 standard & custom designs
- Comes in a full range of COLORBOND® steel colours
- Manufactured from GALVSPAN® steel & COLORBOND® steel
- Constructed with fully bolted designs - not Tek®screwed
- Features termite resistant steel construction
- Comes packaged for delivery to your site
- Includes comprehensive materials list with individual components
- Contains installation manual
- Comes in three steel panel profiles
- Provides local service & support from 25 Australian outlets

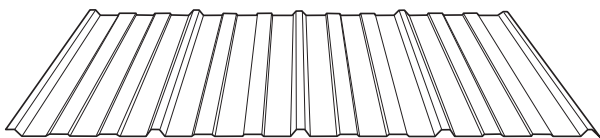
## Shed Profiles



Trimclad®



Corodek®



Metroclad® 850/864







# PATIOS

Australia is about enjoying the great outdoors but with adequate protection from the harsh Australian sun. There is no better way to experience the Australian lifestyle than under an Aussie Outdoor® patio designed by Diamond Tough. It is a great way to add extra living space and value to your home.

Available in an extensive range of colours and designs, the Aussie Outdoor® patio is a perfect addition to your home, ideal for entertaining and an attractive retreat for those quiet times where you can sit, relax and soak up the outdoors.

Features of the Aussie Outdoor® patio include:

- Powder coated extruded aluminium frame
- Profile posts & beams
- Option of COLORBOND® 80% gloss roof deck or insulated panel
- Stainless steel components & fasteners
- Standard designs are fully engineered
- Flexible designs that can be tailored to your needs

Aussie Outdoor® patios designed by Diamond Tough are available in four sheeting profiles:

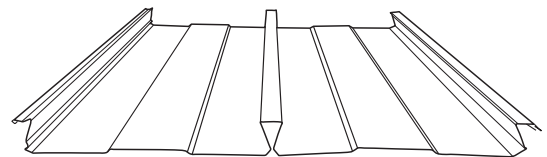
- Aussie Deck®
- Aussie Panel®
- PatioSpan
- Corodek®

Diamond Tough can custom design a patio to suit your specific needs. Contact a Diamond Tough Representative for more information.

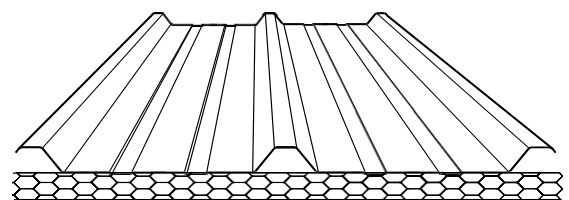
## Benefits

- Adds value, protection & living space to your building
- Offers a variety of patio designs to suit all styles & all budgets
- Provides obligation free quotes
- Provides location-specific designs & engineering specs
- Includes location-specific wind loads
- Comes in COLORBOND 80% gloss deck or insulated panel
- Features powder coated extruded aluminium frames
- Comes packaged for delivery to your site
- Includes stainless steel component & frames
- Contains installation manual
- Provides local service & support from 25 Australian outlets

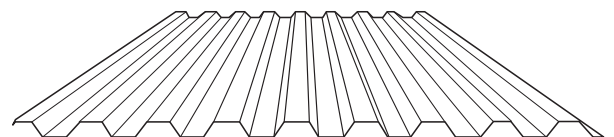
## Patio Profiles



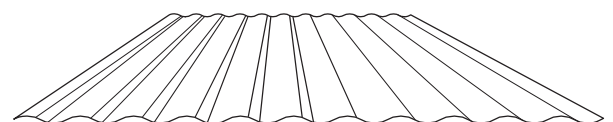
Aussie Deck®



Aussie Panel®



PatioSpan



Corodek®





14. Double

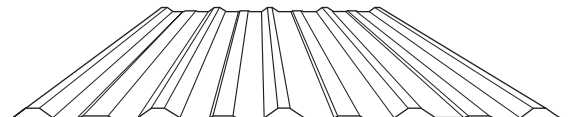


15. Garaport

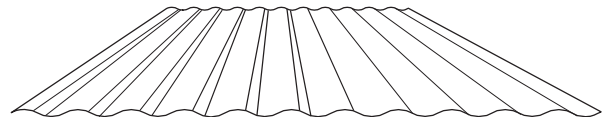


16. Carport

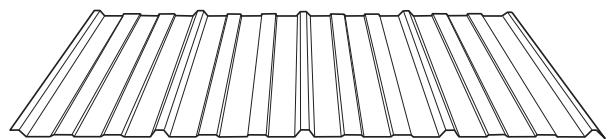
## Garage Profiles



Trimclad®



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Metroclad® 850/864

# GARAGES & CARPORTS

## Diamond Tough Garages

Whether you want protection for your car, boat caravan or a bit more elbow room in the workshop, Diamond Tough has a design to suit your needs.

Incorporating an impressive variety of spans and roof pitches as well as a wide selection of eave heights, a Diamond Tough garage gives you a modern space that can be personalised with extras like windows, skylights and sliding doors. All garages can have customised awnings to fit your needs.

Durable and strong, the Diamond Tough design range has been engineered to withstand the harshest Australian climates and wind conditions.

Whether you need more space to park the boat or would like a drive through section for your garage, a Diamond Tough Garaport is the way to go!

Garaports are available in a range of designs to complement the Diamond Tough range of garages and carports.

Diamond Tough can be custom designed to suit your specific needs - tell us what you want, and we can design it for you.

Diamond Tough carports and garages come in kit form with all components and accessories included. You can choose to assemble and save, or contact Diamond Tough to help you organise a team of experienced builders to construct your building.

## Benefits

- Protects cars, caravans & trucks against weather elements
- Features durable frame anchored to foundation with screwbolts
- Comes in three steel panel profiles
- Variety of designs & roof styles
- Offers a variety of designs to suit all budgets
- Provides obligation free quotes
- Provides location-specific designs & engineering specs
- Includes location-specific wind loads
- Comes packaged for delivery to your site
- Contains installation manual
- Features easy installation
- Australia wide distribution outlets
- Comes in a wide variety of COLORBOND® steel colours
- Provides local service & support from 25 Australian outlets

## Diamond Tough Carport

The Diamond Tough carport provides an affordable shelter for your car, boat or caravan. From the suburbs to the bush, the Diamond Tough carport is strong enough to withstand the toughest Australian conditions.

The Diamond Tough range of carports includes:

- Gable
- Dutch Gable
- Outdoor Covered Areas
- Skillion
- Hip Roof

You have a choice of Skillion, Gable or Hip roofs in a variety of versatile designs and sizes, all engineer designed and certified, solid and easy to install.

Features include:

- Strength from galvanised steel purlins
- Weather resistant sheeting
- Versatile design allows for multiple bays
- Engineer designed & certified
- Design plans facilitate Council approval
- Easy to install





18. Livestock Yards

# BARN & FARM SHEDS

Life on the land presents new challenges every day, so it is comforting to know Diamond Tough has the capabilities of supplying an extensive range of rural buildings to suit your requirements.

Diamond Tough can be custom designed to suit a variety of rural sheds including:

- Machinery
- Farm workshops
- Grain storage
- Hay storage
- Livestock shelters
- Pump houses
- American style
- Australian style

Diamond Tough sheds are designed, engineered, and manufactured to comply with the strict Australian Building Codes and are supplied with documentation to simplify council building approvals.

Diamond Tough rural sheds are engineered to withstand the harshest Australian environments, are purpose engineered and are practically maintenance free.

Building spans can reach to 27 metres with wall heights up to 6 metres and to any length you require.

Whether you're on two or 200,000 acres, the Diamond Tough sheds are the perfect choice for your storage and operational needs.

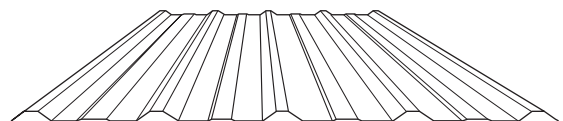
A Diamond Tough shed adds value to your property and provides premier storage and shelter options for machinery and animals. You get a spacious backdrop to roll up the sleeves and get the farm jobs done.

Diamond Tough sheds come in kit form with all components and accessories included. You can choose to assemble your industrial shed and save or contact a Diamond Tough representative to help you organise an experienced builder to construct your building.

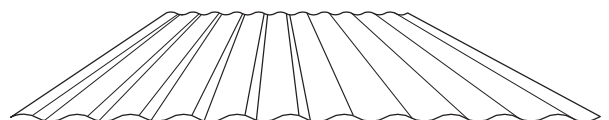
## Benefits

- Includes a wide variety of designs for rural machinery, storage & animal shelters
- Features durable frame anchored to foundation with screwbolts
- Comes in a choice of two steel panel profiles
- Supplies barge, corner, door & ridge flashing as standard
- Provides for optional PA doors, skylights, windows, side awnings & Garaports
- Offers a variety of designs to suit all budgets
- Provides obligation free quotes
- Provides location-specific designs & engineering specs
- Includes location-specific wind loads
- Comes packaged for delivery to your site
- Contains installation manual
- Features easy installation
- Comes in a wide variety of COLORBOND® steel colours
- Provides local service & support from 25 Australian outlets

## Barn & Farm Shed Profiles



Trimclad®



Corodek®





19. Carport





# CYCLONIC SHEDS

Diamond Tough offers a range of cyclonic rated buildings, developed and proven in far North Queensland to stand up to tough conditions.

Incorporating high strength components designed to exceed engineering specifications for cyclonic areas,

Diamond Tough offers some of the strongest and most durable sheds on the market.

With flexible sizes to suit most requirements Diamond Tough offers a full range of COLORBOND® steel colours and materials.

A Diamond Tough customer can choose from an extensive range of Australian quality assured products including:

- Domestic sheds & garages
- Carports
- Industrial buildings
- Rural sheds & barns

Diamond Tough cyclonic rated sheds come in kit form with all components and accessories included.

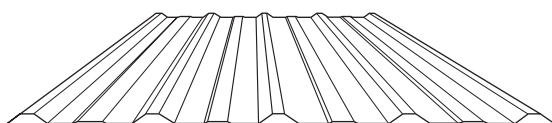
You can choose to assemble your industrial shed and save or contact your Diamond Tough representative to help you organise an experienced builder to construct your building.

## Benefits

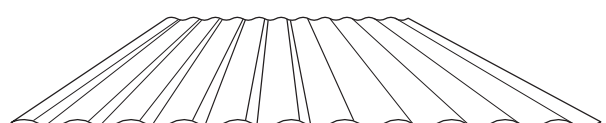
- Provides obligation free quotes
- Provides location-specific designs & engineering specs
- Includes location-specific wind loads
- Supplies high quality & strength components
- Comes packaged for delivery to your site
- Contains installation manual
- Features easy installation
- Comes in a wide variety of COLORBOND® steel colours
- Designs to suit Australian cyclonic conditions
- Provides local service & support from 25 Australian outlets



## Cyclonic Shed Profiles



Trimclad®



Corodek®





# INDUSTRIAL SHEDS

Diamond Tough Industrial sheds are made using 100% BlueScope® steel and come in a wide range of designs and colours. These quality steel buildings are manufactured from G450 high tensile steel.

Diamond Tough sheds are designed, engineered, and manufactured to comply with and exceed the strict Australian Building Codes, and are supplied with documentation to simplify council building approvals.

Sheds can be custom designed for numerous commercial applications including:

- Warehouses
- Stables
- Shelters
- Storage
- Aircraft hangers

Diamond Tough industrial sheds are engineered to withstand the harshest Australian environments, are purpose engineered and are practically maintenance free.

Building spans can reach to 27 metres with wall heights up to 6 metres and to any length you require.

As well as an extensive range of standard industrial shed designs, Diamond Tough can custom design a shed to suit your specific needs.

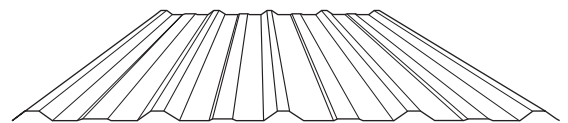
Whether your budget is small or large, Diamond Tough eliminates the hassle of shed selection and construction and provides you with a quality product.

Diamond Tough sheds come in kit form with all components and accessories included. You can choose to assemble your industrial shed and save or contact your Diamond Tough representative to help you organise a team of experienced builders to construct your building.

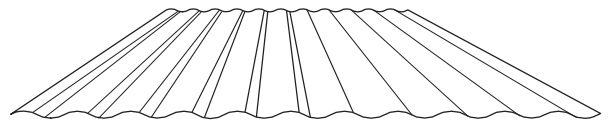
## Benefits

- Features durable frame anchored to foundation with screwbolts
- Comes in a choice of two steel panel profiles
- Supplies barge, corner, door & ridge flashing as standard
- Provides for optional roller doors, skylights, windows, translucent awnings
- Offers a variety of designs to suit all budgets
- Provides obligation free quotes
- Provides location-specific designs & engineering specs
- Includes location-specific wind loads
- Comes packaged for delivery to your site
- Contains installation manual
- Features easy installation
- Comes in a wide variety of COLORBOND® steel colours
- Provides local service & support from 25 Australian outlets

## Industrial Shed Profiles



Trimclad®



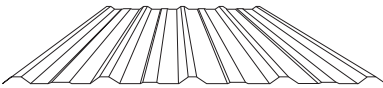
Corodek®



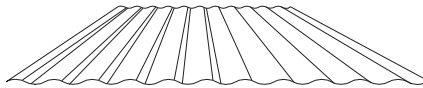


24.

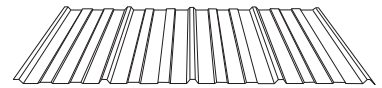
## Sheds



Trimclad®

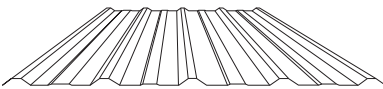


Corodek®

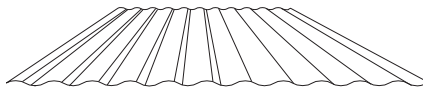


Metroclad® 850/864

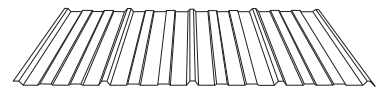
## Garages & Carports



Trimclad®

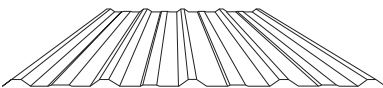


Corodek®

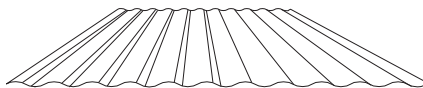


Metroclad® 850/864

## Barns & Farm Sheds

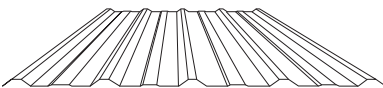


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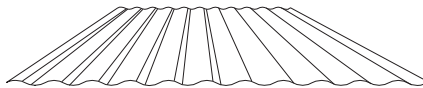


Corodek®

## Industrial Sheds

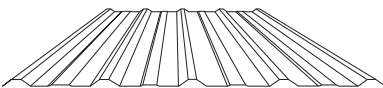


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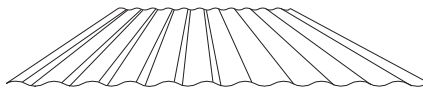


Corodek®

## Cyclonic Sheds



Trimclad®



Corodek®

# CUSTOM DESIGNS

Diamond Tough offers a variety of shed designs, shapes and sizes incorporating great value for money without compromising versatility or ease of installation.

Using ShedPlus technology, Diamond Tough shed designs can be customised to your specified needs, including shape, use and site.

Custom sheds can be designed and constructed to your exact specifications; doors and windows can be placed where you want them, height, span, colour and finish can be designed to suit your style needs.

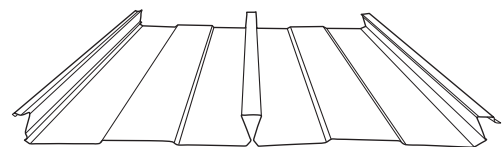
Diamond Tough can design, manufacture, package and deliver to your site. Custom designed sheds may be complex or simple and end use can include:

- Showrooms
- Aircraft shelters
- Manufacturing plants
- Warehouses & wholesale facilities
- Outdoor recreational areas
- Awnings & verandahs
- Patios & barbeque areas
- Garages & tool sheds
- Horse training facilities
- Multiuse storage & machinery sheds
- American barns & Australian colonial sheds
- Bus shelters
- Transport terminals

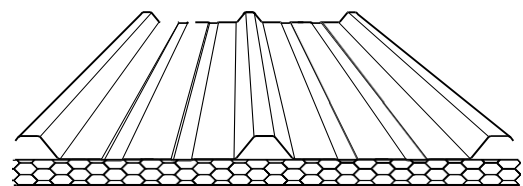
## Benefits

- Offers obligation free quotes
- Provides location-specific designs & engineering specs
- Includes location-specific wind loads
- Features termite resistant steel construction
- Comes packaged for delivery to your site
- Variety of cladding, sheet profile & colour options
- Includes comprehensive materials list with individual components
- Contains installation manual
- Comes with quality guarantees
- Designs for Australian conditions
- Exceeds the strict Australian Building Standards
- Supplies cyclonic rated buildings
- Provides local service & support from 25 Australian outlets

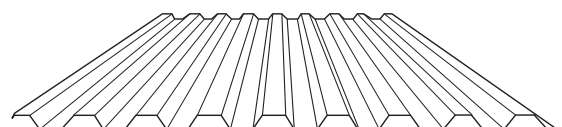
## Patio Profiles



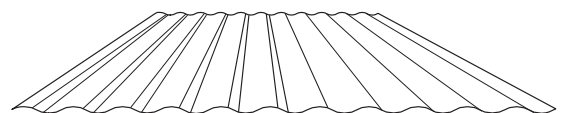
Aussie Deck®



Aussie Panel®



PatioSpan



Corodek®



# DESIGN STANDARDS

## Carports & Patios

All beams and column sections are extruded hi-tensile steel with excellent durability and corrosion resistance, complying with AS 1170.1-1989 and AS 1170.2 SAA Loading Code.

The testing and design of the structural members complies with the following standards:

- SAA Loading Code Part 1, AS 1170.1: Dead and Live Loads and Load combinations.
- SAA Code AS4055 Wind Loads for Housings. Australian Standard AS 4600 Cold Formed Steel Structures Code and all other associated standards.

Deck, Gutters, Downpipe, Capping and accessories manufactured from ZINCALUME® and COLORBOND® Zinc/ Aluminium coated steel complying with Australian standard 1397 “Hot dipped Zinc or Aluminium/ Zinc Coated steel sheet and strip” and fixed in accordance with Australian Standard 2179 and 2180 “Metal Rainwater Goods” will have a minimum life prior to perforation by weathering in the natural elements of five years from date of installation.



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# SHED TECHNICAL INFORMATION

Diamond Tough buildings are manufactured from high quality BlueScope® Steel and Australia's premium suppliers of windows and roller doors.

"Shed" is a common term in the community. Buildings fitting the general description of "shed" may be used for a wide range of purposes.

A shed can be defined as:

1. A structure built for shelter, storage, etc.
2. A large, strongly built structure, often open at the sides or end.
  - A shed is any freestanding non-habitable general-purpose building used for domestic, commercial, industrial or agricultural purposes.
  - A residential shed is one constructed on a residential allotment and used predominantly for private, domestic purposes.
  - A garage is a special-purpose freestanding building designed to shelter vehicles and with at least one vehicle-sized door. Garages may be residential or non-residential.

All other vehicle shelters, including those attached to buildings, are considered carports.

Diamond Tough buildings are fully engineered for the Australian market and the toughest of Australian weather conditions and come with the certification needed for council approval.

Diamond Tough designs can be tailored to your needs and with a full range of flexible plans and a broad colour selection, you're sure to find the right shed for your project.





# INSTALLATION

## General Requirements

The Diamond Tough Sheds and Patios Installation Guide uses ShedPlus design and construction technology for standard portal framed buildings.

This Guide assumes that your appointed builder is trade qualified and or experienced within the construction of portal framed buildings.

Each shed, or patio is individually designed, hence the Guide may not apply to all designs.

The attached Guide details the construction of a gable garage. An experienced builder can construct a building of a different size and design based on these instructions.

The Guide should be used in conjunction with the structural engineering drawings as provided to council along with site specific bill of materials provided to you at the time of delivery.

This information is not, and should not be used as a construction manual, safety manual, standard operating procedure or material safety data sheet.

Important considerations for installing Diamond Tough Sheds and Patios include:

1. Check all requirements relating to Building Applications & Development Applications prior to installation.
2. If you are an owner builder, verify with the Department of Fair Trading or State Building Authority if you require an Owners Building Permit.
3. Check with your State Building Authority to ensure that your tradesperson has the required building licenses and current builders' insurances policies.
4. It is imperative that you & your builder adhere to all safety recommendations of the Workcover Authority.

## Installation Guide

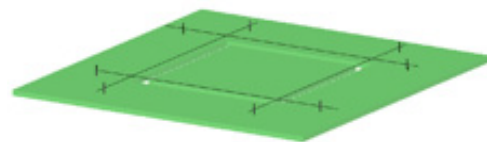
For more information download our complete installation manual.

*DISCLAIMER: This is a brief overview and is intended as a general guide only. For more installation information visit [www.diamondtough.com.au](http://www.diamondtough.com.au)*



### Step 1: Before You Start

- Review drawings and any local council requirements.
- Check the bill of materials ensure all materials are on site.
- Read the manual - familiarise yourself with terminology
- Watch the video.
- Organise your tools.
- Check that the shed can be installed safely, and appropriate safety equipment is ready to hand.



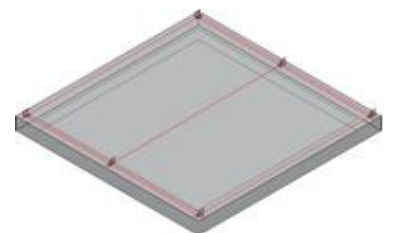
### • Step 2: Site Preparation

- Ensure there is a level and clear space to work in.
- Once completed the space should be free of all obstructions

### Step 3: Slab & Footing Layout

- Using the dimension of the plans mark out the area.
- Take special care to ensure all layouts are square and angles are 90 degrees.
- Use a chalk line to mark out positions for brackets.
- Fix hold down brackets

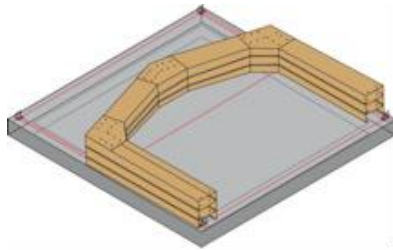
*Tip: double check your measurements.*



# INSTALLATION

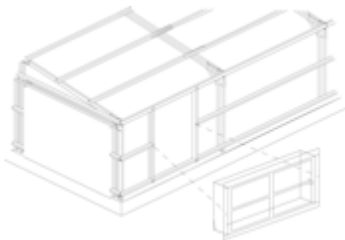
## Step 4: Assemble Portal Frames

- Utilise your Bill of Materials to identify and layout your portal columns, rafters, apex plate, haunch plates in the shape of the building with the flanges of the "C" flanges facing up.
- Check to ensure the correct brackets are used for the right location - some brackets are specifically for end portals.



## Step 5: Erect Portal Frames

- Before starting ensuring there is sufficient temporary bracing material available.
- Use a spirit level to ensure portals are straight and square.
- Ensure cross and fly bracing is installed.



## Step 6: Window & Door Frames

- Measure notch and insert window mullions into the frame.
- Insert window frame and screw to mullions
- Install window flashings, this must be done before wall sheeting.
- Take special note of plans for roller door mullion details.



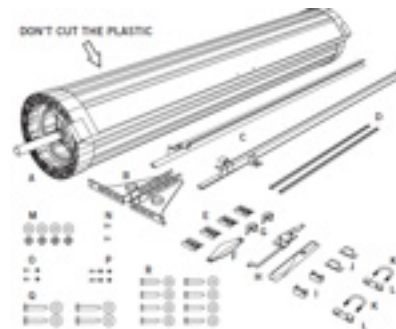
## Step 7: Roofing & Wall Sheeting

- All fasteners are to have Neoprene washers fitted.
- Start with wall sheeting.
- Ensure recommended screw locations and sheet lapping is used. (See Installation Guide)
- A special note for end wall sheeting - layout gable wall sheeting prior to fixing.
- Start at the left-hand end with the short sheet and work across - never start in the middle.
- Check to ensure the sheet overlap is against the prevailing wind.



## Step 8: Trims & Gutters

- Install ridge and barge caps
- Install corner trims
- Fit gutter brackets and gutters



## Step 9: Install Roller Doors

- Install per manufacturers recommendations

## Step 10: You're Finished - Move in Your Stuff!

For more installation information visit  
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