

An Infinite Number of Design Possibilities



- Industrial Sheds
- Hay Shelters
- Car Ports & Garages
- American Barns
- Mixed Use Sheds
- Animal Shelters
- Stables
- Machinery Sheds



SPECIFICATIONS			
MAXIMUM CLEAR SPANS*			
Closed walled structures (sheds)		Open walled structures (shelters)	
Design wind speed	Maximum span	Design wind speed	Maximum span
40 ms ⁻¹	29m	40 ms ⁻¹	27m
61 ms ⁻¹	25m	61 ms ⁻¹	24m
MAXIMUM SPANS WITH CENTER COLUMN*			
Closed walled structures (sheds)		Open walled structures (shelters)	
Design wind speed	Maximum span	Design wind speed	Maximum span
50 ms ⁻¹	40m	50 ms ⁻¹	32m
74 ms ⁻¹	30m	61 ms ⁻¹	34m
OTHER SPECIFICATIONS			
Maximum Bay size	6m	Maximum Wall Height	7m
Frame type	High tensile steel portal frame	Cladding system	Dependable Steel SmartClad manufactured from SMARTCOLOR™
COLOURS			
SANDBANK®	PALE EUCALYPT®	SURFMIST®	ZINCALUME®

All specifications shown are for guidance only. Actual specifications will be those shown on the written offer in accordance with the Terms and Conditions of Sale.
* Maximum spans are for guidance only and may be further limited by terrain, shielding and other local considerations.

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Agents

HI-GAL

high tensile steel
INDUSTRIAL BUILDINGS

HI-GAL new generation sheds manufactured from high tensile steel

New Generation Sheds

Dependable Steel Hi-Gal industrial sheds are a new generation shed manufactured from advanced high tensile steel materials.

The high tensile strength of our components allows us to manufacture sheds that are lighter, stronger, and longer lasting than those manufactured using traditional techniques based on hot rolled steel sections.

Computer design minimises material wastage and costs while meeting important engineering design parameters, and regulatory standards.

Dependable Steel sheds are designed to meet Australian design standards.

With respect to high tensile steel structures, the Australian Standards are very well developed with tens of thousands of sheds having been built across an array of Australian climates from desert, to snow, to the cyclonic tropical regions of the North.

Dependable Steel Hi-Gal sheds can be designed to withstand cyclonic wind speeds of up to 71 ms⁻¹. Our software also allows us to take into account site specific wind multipliers such as shielding and terrain considerations.



Premium Materials

All of the steel used in the structural frames and cladding systems is supplied by BlueScope Steel, Australia's largest steel producer.

The STEELBY™ logo that you see in this brochure, and on our various promotional material demonstrates that we are an approved brand partner of BlueScope Steel, and are committed to supplying only genuine BlueScope material.

BlueScope materials will always meet or exceed published tensile strengths, and other relevant specifications.

Dependable Steel's SmartClad roof and wall cladding is manufactured from SMARTCOLOR™ pre painted steel.

SMARTCOLOR™ steel incorporates ZINCALUME® anti corrosive coatings which have been shown to outlast equivalent PPGI (Pre-Painted Galvanised) products by at least 4 times. Its highly developed paint system is resistant to fading, will not crack or peel, and will never require repainting.

Over six and a half million tonnes of SMARTCOLOR™ has been produced since the 1960s.

Accurate Components

All of the major structural components including the columns and connecting brackets are rolled, cut, bent, and pre-punched using CNC machines insuring millimeter accuracy throughout the structure.

This not only speeds up, and greatly simplifies the construction process, but also results in a great looking shed.

All components are fully Galvanized to ensure superior life spans.



Bolt together construction
NO onsite preparation
NO welding
NO block work and
NO painting

Simple Construction

Hi-Gal sheds are easy and fast to build as they are simply bolted together.

Sheds can be assembled by labourers with minimal skill, which may be an important consideration if they need to be built in remote areas, or in areas where the availability of skilled labour is limited.

Because our shed walls are steel, there is no labour intensive block-work, or rendering required. Installing cables, pipe work, and other MEP works is therefore easier, faster, and neater.

Holes for pipes and cables can be cut in seconds with any BiMetal steel hole cutter.

Safer Onsite Handling

The light weight components used in Dependable Steel Sheds improves onsite handling and safety, and in some cases eliminates all together the need for expensive forklifts, cranes, and other mechanised lifting equipment.



Lower Freight Costs

Take advantage of reduced freight rates due to a lighter weight structure.

Imagine fitting a complete medium sized warehouse in a single shipping container, then unloading all of the components, including the main columns and rafters by hand.

A complete warehouse in a box shipped safely and securely to your door.

There are times and places where forklifts are just not available, making the possibility of building large industrial structures near impossible.

You can now deliver your components to locations not accessible by vehicles or large equipment.

Award Winning Technology

The software used to design our sheds is a winner of the Australian Design Award and completes all of the necessary engineering calculations, as well as producing drawings, bills of materials, cutting and punching lists.

The software selects the optimal sizes for all of the major structural components taking full advantage of the materials properties.

This not only saves time and money, but also reduces the likelihood of costly and dangerous errors.

High Tensile Steel components are cold rolled to exacting tolerances so the performance of the material is highly predictable, and we source our materials from one manufacturer ensuring consist specifications.

15 Year Structural Warranty

All of our larger sheds come with the peace of mind of a 15 year structural warranty.



Air Lifiable

Light weights also give the ability to airlift complete sheds. A 20m x 30m warehouse typically weights under 13 tonnes,



Shed components can be re positioned as slung loads using light to medium lift rotary wing aircraft.

High Tensile Steel Sheds are ideal for deployment into areas of conflict, disaster relief, or anywhere rapidly deployable, rapidly built permanent structures are required.

Highly Configurable Design Options

Design your shed with open bays, closed bays, or a combination of both, the choice is yours.

Add side awnings, skylights, wirligigs, and position any number or combination of entry door, window, or rollup door to create your dream shed.



The lower weights achievable by using high tensile materials results in dematerialisation values of up to 24%, as compared to tradition materials. To put this simply our sheds use approximately 24% less material by weight thereby reducing the environmental impact accordingly.

The SMARTCOLOR™ Steel used in our SmartClad roof and wall cladding is highly energy efficient. A low thermal mass means minimal re radiation of energy back into a building at night, and by choosing lighter colours much of the incoming radiant heat energy can be reflected away from the building.

Your Dependable Steel building contains a portion of pre consumer, post consumer, and reutilised, re cyclable steel, and because we use steel in the roof and walls, over 95% of the building itself can re enter the recycle chain at the end of its useful life.

Long lasting ZINCALUME® based coatings require 75% less zinc per square meter compared to Zinc only coatings and yet last up to 4 times longer meaning that your roof and walls need to be replaced far less often.

These factors combined allow you to earn valuable points in various green building certification systems such as LEED™, BREEAM, and Green Star™.

Building green is good for your wallet, as well as your conscience.



The Advantages Are Clear

- ✓ Quotes in under an hour
- ✓ Fast Delivery
- ✓ High quality steel from BlueScope Steel Limited
- ✓ Fully galvanized high tensile steel
- ✓ Can be engineered for cyclonic conditions
- ✓ A 15 year structural warranty
- ✓ Contains recycled material
- ✓ Over 95% recyclable
- ✓ Maintenance free sheds that never need repainting

