



PAGE 01



SITE PREPARATION

- Local council approval must be obtained prior to construction of the carport. Once you have selected your site you will need to create and lodge a site plan to your local council or certifier. You will also have to attach a copy of the engineering drawings at the back of these instructions to your site plan.
- The site for the carport must be level, refer to concrete and foundation notes on engineers drawing 06205-003-CP03.

GENERAL INSTRUCTIONS

- Before commencing any assembly, read through these instructions and engineers drawings in detail to gain a thorough understanding of assembly methods and associated details.
- Some components have been pre-punched. Some 10mm holes will still have to be drilled. It may be easier to drill a small pilot hole first.
- Measure, and check off all components using the parts lists on the following pages prior to commencement. To prevent damage in transit, some components may be packed inside others, almost hidden. Carefully examine inside each component to ensure that you have located every item. If a discrepancy is found, contact Absco industries immediately.

10mm MASONARY DRILL BIT

TOOLS REQUIRED

SPIRIT LEVELSPANNERS

- TAPE MEASURE
 - CLAMP OR VICE GRIPS
- HACKSAW





10mm DRILL BIT AND MASONRY DRILL BIT







A NOTE ON SAFETY

- Some parts may have sharp edges. It is advisable to wear gloves when handling these items and safety glasses if drilling holes. Sensible shoes are highly recommended.
- It is highly recommended to erect the carport with at least two or more people.













COMPONENTS PACKING LIST - CHECK OFF ALL COMPONENTS

CPDW50 DOUBLE CARPORT FRAME COMPONENTS							
QTY	COMPONENT DESCRIPTION	PART No.	СНЕСК	QTY	COMPONENT DESCRIPTION	PART No.	CHECK
4	EDGE BEAM RIGHT HAND L= 2750	EBRH		4	EDGE BEAM LEFT HAND L= 2750	EBLH	
6	CROSS BEAM L= 2610	СВ		8	EDGE BEAM SPLICE PLATE L= 608	EBSP	
3	COLUMN TOP BRACKET LEFT HAND	CTBLH		8	CROSS BEAM SPLICE PLATE L= 608	CBSP	
8	30 x 30 ANGLE ROOF BRACE L=815	ARB		10	4 = 1.2mm 6 = 1.0mm CROSS BEAM L= 2675	СВ	
2	65 x 65 STEEL COLUMN L = 2200	RHS		3	COLUMN TOP BRACKET RIGHT HAND	CTBRH	
4	65 x 65STEEL COLUMN L = 2250	RHS		16	STEEL SHEET L= 2820	SHEET	

BEND COLUMN TOP BRACKETS (CTBLH & CTBRH)



BEND EACH COLUMN TOP BRACKET ALONG THE SLOTTED CENTRE LINE, SIMPLY BY HOLDING THE BRACKETS AT POINTS A & B AS SHOWN.

APPLY SUFFICIENT PRESSURE TO FORM A 90 DEGREE ANGLE ALONG THE BEND LINE.

ENSURE THAT THE EXISTING PRE-FOLDED EDGES ALWAYS FACE INWARDS. THE END RESULT WILL GIVE YOU TWO LEFT HAND AND TWO RIGHT HAND BRACKETS.



COMPONENTS PACKING LIST - CHECK OFF ALL COMPONENTS

CPDW50 DOUBLE CARPORT FRAME ACCESSORIES							
QTY	COMPONENT DESCRIPTION	PART No.	СНЕСК	QTY	COMPONENT DESCRIPTION	PART No.	СНЕСК
4	JOINER ANGLE 50 x 50 L = 45mm (EDGE BEAM INNER CORNER CONNECTOR)	JA-1		4	JOINER ANGLE 50 x 50 L = 100mm (EDGE BEAM OUTER CORNER CONNECTOR)	JA-2	
8	JOINER ANGLE 100 x 50 L = 50mm (MID CROSS BEAM TO EDGE BEAM CONNECTOR)	JA-3		4	50mm JOINER PLATE L = 100mm (BACKING SUPPORT PLATE FOR JA-3)	JP	
12	75 x 75 ANGLE COLUMN BASE BRACKET L= 65mm (CONNECT COLUMNS TO CONCRETE)	CBB		16	25mm WIDE FLAT STRIPS L = 270mm (FOLD FOR LATER USE AS ROOF BRACKETS)	RB	
2	25mm WIDE FLAT STRIPS L = 270mm (FOLD FOR LATER USE AS DOWNPIPE STRAPS)	DS		1	50mm PVC DOWNPIPE L = 1800mm	DP-1	
1	50mm PVC DOWNPIPE L = 900mm	DP-2		2	50mm PVC DOWNPIPE 90° bend	DP-3	
1	50mm PVC DOWNPIPE 45° bend	DP-4		1	50mm ROUND GALV. GUTTER DROP FOR DOWNPIPE	DP-5	



COMPONENTS PACKING LIST - CHECK OFF ALL COMPONENTS

CPDW50 DOUBLE CARPORT FRAME ACCESSORIES (CONT.)						
QTY	COMPONENT DESCRIPTION	СНЕСК	QTY	COMPONENT DESCRIPTION	СНЕСК	
12	12mm DYNABOLTS		240	NEOPREHNE WASHERS		
320	10mm x 16mm WAFER HEAD SELF DRILLING TEK SCREWS		370	WASHERS		
24	10mm x 80mm BOLTS & NUTS		1	ASSEMBLY INSTRUCTIONS		
152	10mm x 20mm BOLTS & NUTS					



CARPORT COMPONENTS





STEP 1.





STEP 2.

SECURE THE EDGE BEAMS TOGETHER AT EACH CORNER USING THE JOINER ANGLES AS SHOWN.

THE JOINER ANGLES SHOULD BE POSITIONED ON THE INSIDE OF THE EDGE BEAMS, HELD WITH 'G' CLAMPS, AND FASTENED WITH TEK SCREWS FROM THE OUTSIDE OF THE EDGE BEAMS.

SEAL ALL JOINTS WITH SILICONE.

THE EXTERNAL DIMENSIONS OF THIS FRAME SHOULD MATCH THE CONCRETE SLAB SIZE OF 5500 x 5500 WITH A DIAGONAL MEASUREMENT OF 7778, AS SHOWN ON THE FRONT PAGE OF THIS INSTRUCTION.







STEP 3.

MARK OFF THE SIDE BEAMS TO THE DIMENSIONS SHOWN BELOW. THESE ARE THE POSITIONS FOR LOCATING THE COLUMN TOP BRACKETS, TO WHICH THE COLUMNS AND CROSS BEAMS WILL BE LATER CONNECTED.



THE REAR RHS COLUMNS ARE 50mm SHORTER THAN THE FRONT RHS COLUMNS. THIS PRODUCES ABOUT A ONE DEGREE FALL IN THE ROOF, TO ALLOW RAINWATER TO FLOW TO THE REAR DOWNPIPE.

THEREFORE, TO ENSURE THAT THE COLUMNS WILL REMAIN VERTICAL WHEN THE STRUCTURE IS RAISED, EACH COLUMN TOP BRACKET MUST BE OFFSET BY 6mm AS SHOWN BELOW. YOU CAN SEE BELOW HOW THE END RESULT WILL KEEP THE COLUMNS. VERTICAL BUT TILT THE ROOF.



FIT AN EXTRA SPLICE PLATE IN EACH SIDE EDGE STEP 3A. BEAM, OVER THE FRONT AND REAR COLUMN POSITIONS AND FASTEN WITH TEK SCREWS. SIDE

MARK THE HOLE POSITIONS FOR THE FOUR HOLES TO BE DRILLED IN THE BEAMS AT EACH LOCATION, AND DRILL 10mm HOLES. DO NOT FASTEN THE COLUMN TOP BRACKETS TO THE EDGE BEAMS AT THIS STAGE.

REAR

FRONT



STEP 4.

CTBRH

Absco Industries Skillion Carport Model: CPDW50

- CONSTRUCTION PIVOT HOLE

USING THE COLUMN TOP BRACKET AS A TEMPLATE, DRILL THIS HOLE IN EACH COLUMN. IT WILL LATER BE USED AS THE PIVOT POINT TO LIFT UP THE STRUCTURE.

ALSO USING THE COLUMN TOP BRACKET AS A TEMPLATE, DRILL THESE FOUR HOLES THROUGH 'BOTH' SIDES OF THE COLUMN. JOIN BOTH SECTIONS TOGETHER WITH FOUR M10 X 80mm LONG BOLTS, NUTS AND WASHERS.

NOTE: (24 x 80mm LONG BOLTS SUPPLIED = 4 PER COLUMN)

M10 x 20mm BOLTS ARE USED AT ALL OTHER LOCATIONS. **CTBLH** 0 USING THE COLUMN BASE BRACKETS AS TEMPLATES, DRILL FOUR 10mm Ο HOLES IN EACH COLUMN, JOIN TWO COLUMN BASE BRACKETS TO EACH COLUMN WITH FOUR M10 x 20mm BOLTS, NUTS AND WASHERS.

FIT EACH DOUBLE CROSS BEAM TO THE COLUMN TOP BRACKETS WITH FOUR M10 x 20mm BOLTS, NUTS AND WASHERS.

THE COLUMN TOP BRACKET SHOULD FIT BETWEEN THE TWO CROSS BEAM SECTIONS AT EACH END.







STEP 6.

YOU WILL REQUIRE ASSISTANCE FROM ANOTHER PERSON TO LIFT THE ROOF STRUCTURE UP.

PIVOT HOLE CONNECTION.

REFER BACK TO STEP 4. LOCATE ONE M10 x 20mm BOLT, NUT AND WASHER AT EACH END OF THE CROSS BEAM/COLUMN ASSEMBLY TO THE PRE-DRILLED HOLE IN THE EDGE BEAM. ONLY TIGHTEN FINGER TIGHT TO ALLOW THE SECTIONS TO MOVE DURING LIFTING.

WITH ONE PERSON HOLDING EACH COLUMN, BEGIN TO LIFT THE ROOF STRUCTURE.

CONTINUE LIFTING THE ROOF STRUCTURE UNTIL A SECOND BOLT CAN BE FASTENED TO THE COLUMN TOP BRACKET AND EDGE BEAM.

> SECURE AND TIGHTEN ALL FOUR M10 x 20mm BOLTS NUTS AND WASHERS AT EACH END OF THE CROSS BEAM.





REPEAT THE LIFTING PROCEDURE FOR THE FRONT CROSS BEAM ASSEMBLY. WITH THE STRUCTURE NOW STANDING, POSITION AND SECURE THE CENTRE CROSS BEAM ASSEMBLY.

DOUBLE CHECK TO ENSURE THAT ALL BOLTS AND NUTS (INCLUDING SPLICE PLATE CONNECTIONS) ARE STILL FULLY TIGHTENED. IT IS ALSO VERY IMPORTANT (ALTHOUGH AWKWARD) TO ENSURE THAT THE BOLTS SECURING THE BASE BRACKETS TO THE COLUMNS ARE VERY TIGHT, TO REDUCE THE AMOUNT OF SWAY IN THE STRUCTURE.

STEP 7.

TO THE DIMENSIONS SHOWN ON THE FRONT PAGE OF THIS INSTRUCTION, SECURE THE FRAME TO THE CONCRETE SLAB WITH THE M12 DYNABOLTS PROVIDED. YOU WILL REQUIRE AN M12 MASONRY DRILL BIT TO DRILL INTO THE CONCRETE.







SECURE 16 x 2820mm ROOF SHEETS TO FRAME.

ALL ROOF SHEETS ARE PAN-FIXED. ie SCREW THROUGH THE FLAT PAN OF THE SHEET INTO THE FRAMEWORK.

SLIP THE NEOPRENE WASHERS ON TO THE SELF DRILLING SCREWS FOR A WATER TIGHT CONNECTION.

> THE EDGE ALONG THE LENGTH OF THE SHEET SHOULD BE HARD UP AGAINST THE INSIDE OF THE EDGE BEAM ON BOTH SIDES OF THE STRUCTURE. SECURE WITH SCREWS ALONG THIS EDGE AT 150mm CENTRES.



ABSCO INDUSTRIES



STEP 10

BEND THE ENDS OF 16 FLAT STRIPS (270mm X 25mm) AS SHOWN AND SECURE AT MAXIMUM 1500mm CENTRES WITH ONE SCREW AT EACH END.

RB

DP-5 DP-2 DP-3 DP-1 DP-4 DP-4

CUT A ROUND HOLE 51mm IN DIAMETER IN ONE END OF THE REAR EDGE BEAM. THIS CAN BE DONE BY DRILLING A SERIES OF 3mm HOLES AND THEN PUNCHING OUT THAT SECTION. FIT THE GALVANISED GUTTER DROP AND SEAL WITH SILICONE. FASTEN THE DOWNPIPES AND BENDS AS SHOWN. BEND THE 270 x 25 FLAT STRIPS (DS) TO SHAPE AND FASTEN THE DOWNPIPE TO THE COLUMNS.

IMMEDIATE MAINTENANCE:

CLEAN DOWN ALL ROOF AND EDGE/CROSS BEAM INTERNAL AREAS. METAL FILINGS FROM DRILLING HOLES AND USING SELF DRILLING SCREWS CAN CAUSE DISCOLORATION AND CORROSION TO ROOF SHEETS AND GALVANIZED FRAMING SECTIONS.

ABSCO INDUSTRIES	ASSEMBLY INSTRUCTION MANUAL	CARPORT MODEL: CPDW50	10-05-2017
			10 00 2011

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Department of Housing and Public Works

Form 15—Compliance certificate for building design or specification

Version 4 - July 2017

NOTE: This is to be used for the purposes of section 10 of the Building Act 1975 and/or section 46 of the **Building Regulation 2006.**

RESTRICTION: A building certifier (class B) can only give a compliance certificate about whether building work complies with the BCA or a provision of the Queensland Development Code (QDC). A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.

1. Property description	Street address (include no., street, suburb/locality and postcode)
This section need only be completed if details of street address and property description are applicable.	
.g. in the case of (standard/generic) pool esign/shell manufacture and/or patio and arport systems this section may not be policable.	Postcode Lot and plan details (attach list if necessary)
he description must identify all land the ubject of the application.	In which local government area is the land situated?
hown on title documents or a rates notice.	
Clearly describe the extent of work covered by his certificate, e.g. all structural aspects of the teel roof beams.	ABSCO standard range of kit-form garages, carports, awnings.
B. Basis of certification Detail the basis for giving the vertificate and the extent to which ests, specifications, rules, tandards, codes of practice and other publications, were relied upon.	 The structural design for the range of ABSCO kit-form buildings has been undertaken in accordance with the following design conditions. NCC - Building Code of Australia (2016) – Volume 2 – Class 1 and Class 10 Buildings AS1170.0-2002 - Structural design actions Part 0 General Principles AS1170.1-2002 - Structural design actions Part 1 Permanent, imposed and other actions AS1170.2-2011 - Structural design actions Part 2 Wind Actions AS1170.3-2003 - Snow Loads AS3600 - 2009 - Concrete Structures AS4005 - 2012 - Wind loads for Housing AS4600 - 2005 - Cold-formed Steel Structures AS2870 - 2011 - Residential Slabs and Footings – Construction. Ramset - Specifiers Resource Book Buildex Fasteners - Technical Specification Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide. Test results available on request.

Date received

Reference Number/s



4. Reference documentation	NJA Consulting Pt	y Ltd Drawings:			
e.g. numbered structural engineering plans.	Carports:	Drawings: 06205-003-CP01, CP02A, CP03 to CP06, CP07A, CP08, CP09			
	Awnings: Garages:	Drawings: 06205-003-AW01A, AW02A, AW05 Drawings: 06205-003-GR01A, 02A, 03B to 11B, 12A, 13B,			
	Connections	14A, 15B Drawings: 06205-003-CN01			
	Contrologious Di Giutiliàn, antra , antra ,				
	Scope or Limitations				
	 This certificate The slab and classifications (garages) in a practitioner sh The building assembly ma structures not The structures 1, Group 2 a accordance w 	a relates to the structural aspects of the building only. footings nominated on the drawings are suitable for class A, S, M & H site (awnings, garden sheds and carports), class A, S & M site classifications ccordance with AS2870. The applicant shall seek advice from a local building ould the site classification fall outside of this range ie class H, E and P sites. shall be constructed in accordance with the design drawings and ABSCO inuals. NJA accept no responsibility whatsoever for the performance of constructed in accordance with these documents. are designed to sustain the wind loads nominated on the drawing for Group nd Group 3 wind loadings. The site wind classification shall be derived in ith AS4055. Structural wind loads have been derived using AS1170.2-2011.			
	The following	criteria are applicable to structure wind loads:			
	Structure Imp Annual proba Topographic (ortance Level: 2 oility of exceedance: 1:500 Classification: T1			
	Internal Press N2, N3 garage C1 garages: +	ure Coefficients es: +0.2, -0.3 (non-cyclonic) -0.7, -0.65 (cyclonic)			
	The structures is on the build the intended rating. The sit for topographi	s are rated to meet the wind classifications nominated on the plans. The onus ling certifier or local authority to ensure that the wind classification relevant to siting of the ABSCO product does not exceed the product's individual wind e wind classification shall be determined in accordance with AS4055 Table 1 c classification T1, for the relevant wind region.			
	NJA Consul certification. the applicant	ting will not be providing site specific wind data as part of this Should the certifier require site specific wind data, then they shall refer to a suitably qualified local building practitioner.			
	This certifica responsibilitie be carried by	te shall not be construed as relieving any party of their contractual s, and is valid until 8 October 2018. Beyond this date the certification will another engineering consultant.			
5. Building certifier reference number	Building certifie	reference number			
z					



6. Competent person details	Name (in full)				
A competent person for building work, means a person who is assessed by the building certifier	Darren John McDonald				
for the work as competent to practice in an	Company name (if applicable)	Contact person			
of the building work because of the individual's	NJA Consulting Pty Ltd				
skill, experience and qualifications in the aspect. The competent person must also be registered or licensed under a law applying in	Phone no. (business hours) Mobile no.	Fax no.			
the State to practice the aspect.	Email address				
If no relevant law requires the individual to be licensed or registered to be able to give the	admin@nja.com.au				
help, the certifier must assess the individual as	Postal address				
skills to be able to give the help.	PO Box 64				
If the chief executive issues any guidelines for	Springwood QLD	Postcode 4127			
certifier must use the guidelines when	Licence or registration number (if applicab	le)			
assessing the person.	RPEQ 5453				
7. Signature of competent	Signature	Date			
person This certificate must be signed by the individual assessed by the building certifier as competent.	for and on behalf of				
	NJA Consulting Pty Ltd	10 April 2017			

The Building Act 1975 is administered by the Department of Housing and Public Works



12206-003-DMCD

3 May 2017

ABSCO PO Box 119 ACACIA RIDGE QLD 4110

STRUCTURAL CERTIFICATION OF ABSCO PRODUCT RANGE

We refer to above matter. We hereby certify that the range of ABSCO products indicated on the drawings listed below are structurally satisfactory in accordance with the Australian Standards outlined in the Design Certificate Criteria section of this certificate.

(Lo Dent diatingo di lacot amonamonia)				
Drawing Nos: This certificate covers the full range of ABSCO products as outlined on the following drawings:				
Drawings:				
Drawings: 06205-003-GS01C, GS02C, GS03B, GS04B, GS05A,				
GS06A, GS07A, GS08B, GS09 to GS11, GS12A, GS13B, GS14C, GS15,				
Drawings: 06205-003-CP01, CP02A, CP3 to CP06, CP07A, CP08, CP09				
Drawings: 06205-003-AW01A, AW02A, AW05				
Drawings: 06205-003-GR01A, GR02A, GR03B to GR11B, GR12A,				
GR13B, GR14A, GR15B				
Drawings: 06205-003-CN01				

Other Related Documents:

1. PI INSURANCE CERTIFICATE (attached)

DESIGN CERTIFICATE CRITERIA

The structural design for the range of ABSCO kit-form buildings has been undertaken in accordance with the following design conditions.

- Building Code of Australia Volume 2 (2016) Class 1 and Class 10 Buildings ۶
- Þ AS1170.0-2002 - Structural design actions Part 0 General Principles
- Þ AS1170.1-2002 - Structural design actions Part 1 Permanent, imposed and other actions
- ≻ AS1170.1-2011 - Structural design actions Part 2 Wind Actions
- AS1170.3-2003 Snow Loads
- AAAAA AS3600 - 2009 - Concrete Structures
- AS4100 1998 Steel Structures
- AS4055 2012- Wind loads for Housing
- AS4600 2005 Cold-formed Steel Structures
- AS2870 2011 Residential Slabs and Footings Construction. AAA
- Ramset Specifiers Resource Book
- **Buildex Fasteners Technical Specification**
- Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide.

Class of Building (BCA): 10a

Building Importance Level: (BCA Table B1.2a): 2

Annual Probability of Exceedance for wind: 1 in 500



NJA Consulting Pty Ltd ACN 089 515 720

Suite 14, Level 1 Plaza Chambers 3-15 Dennis Road PO Box 64 Springwood QLD 4127 Ph (07) 3208 4755 (07) 3208 1822 Fax Email admin@nja.com.au Web www.nja.com.au





COMMENTS / EXCLUSIONS (Exclusions to this Certificate must be clearly identified). This certificate relates to the structural aspects of the building only. The slab and footings nominated on the drawings are suitable for class A, S, M & H site classifications (awnings, garden sheds and carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall seek advice from a local building practitioner should the site classification fall outside of this range ie class H. E and P sites. The founding material shall have a minimum safe bearing capacity of 75kPa. > The building shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA accept no responsibility whatsoever for the performance of structures not constructed strictly in accordance with these documents. The structures are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 wind loadings. The site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derived using AS1170.2-2011. The following criteria are applicable to structure wind loads: Structure Importance Level: 2 Annual probability of exceedance: 1:500 Topographic Classification: T0 and T1 (ref AS4055) generally flat site with ground slope up to 1 in 10 Internal Pressure Coefficients N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.3 (cyclonic) Garden Sheds: 0.0, -0.2 (all regions) Garden sheds are considered to be effectively sealed during major wind events. Roller doors are excluded from certification, and are assumed to have blown in during cyclonic wind events. The structures are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier

or local authority to ensure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the product's individual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 for topographic classification T0 or T1, for the relevant wind region. NJA Consulting will not be providing site specific wind data as part of this certification. Should the certifier require site specific wind data, then they shall refer the applicant to a suitably gualified local building practitioner.

- All glazed windows and doors to be designed and certified by window manufacturer. The glazing shall be designed to the Wind Classification System specified above, as defined in AS4055-1992. The glazing manufacturer shall satisfy the requirements of AS2047 for the specified Wind Classification System. The wind classification system has been determined on the basis of the following additional assumptions:-
- Flat site. Where the site is not generally flat (i.e. average slope steeper than 1:10), advise the certifying
 engineer for a possible reclassification of the glazing requirements.
- > This certificate shall not be construed as relieving any party of their contractual responsibilities.
- NJA have prepared a range of engineering drawings for ABSCO garden sheds, GS01 to GS16 inclusive. These drawings nominate the maximum size garden shed structure, in length, width, and height permissible for each shed design. NJA acknowledge that for each garden shed design, as detailed on engineering plans GS01 to GS16 inclusive, that garden shed structures smaller in size are acceptable, providing that all structural elements are fully adhered to, including internal steel framework, which can be proportionately reduced in size and spacing, in accordance with the reduced garden shed size.

Yours faithfully

Tala?

Darren McDonald B.E. (Civil) RPEQ Senior Structural Engineer - Director For an on behalf of NJA Consulting Pty Ltd



Building Act 1993 Building Interim Regulations 2017

REGULATION 1507: CERTIFICATE OF COMPLIANCE - DESIGN

Building Certifier or Local Authority (applicant to complete)

Relevant building surveyor: Postal address: Postcode:

From

Building practitioner: Darren McDonald Category and class: Engineer - Civil Registration No: EC 25680 Postal address: PO Box 64 Springwood QLD Postcode: 4127

Property details (applicant to complete)

Number:	Street/road:	
City/suburb/town:		
Lot/s:		LP/PS:
Volume:		Folio:
Crown allotment:		Section
Parish:		County:
Municipal District:		

COMPLIANCE

I did prepare the design and I certify that the part of the design described as ABSCO garages, carports and awnings comply with the following provisions of the Regulations.

- NCC Building Code of Australia (2016) Volume 2 Class 1 and \triangleright Class 10 Buildings
- AS1170.0-2002 Structural design actions Part 0 General Principles \triangleright
- AS1170.1-2002 Structural design actions Part 1 Permanent, imposed and other actions
- \triangleright AS1170.1-2011 - Structural design actions Part 2 Wind Actions
- AS1170.3-2003 Snow Loads
- AS3600 2009 Concrete Structures \triangleright
- AS4100 1998 Steel Structures
- \triangleright AS4055 - 2012 - Wind loads for Housing
- AS4600 2005 Cold-formed Steel Structures
- \triangleright AS2870 - 2011 - Residential Slabs and Footings - Construction.
- \triangleright Ramset - Specifiers Resource Book
- **Buildex Fasteners Technical Specification**
- Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide.



NJA Consulting Pty ACN 089 515 720	Ltd
Suite 14, Level 1 Plaza Chambers 3-15 Dennis Road PO Box 64 Springwood QLD 4127	
Ph (07) 3208 4755 Fax (07) 3208 1822 Email admin@nja.com. Web www.nja.com.au	au
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10-05-2017	PAGE 2



DESIGN DOCUMENTS

NJA Consulting Pty Ltd Drawings	Dated: OCTOBER 2006 REV: 0 UNO
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Carports: Awnings: Garages: Connections	Drawings: 06205-003-CP01, CP02A, CP03 to 0 Drawings: 06205-003-AW01A, AW02A, AW05 Drawings: 06205-003-GR01A, 02A, 03B to 11E Drawings: 06205-003-CN01	CP06, CP07A, CP08, CP09 3, 12A, 13B, 14A, 15B
Specifications: N/A	Prepared by:	Date:
Computations: N/A	Prepared by:	Date:
Test reports: N/A	Prepared by:	Date:
Other Documentatio	n: N/A Prepared by:	Date:

SCOPE OR LIMITATIONS

- > This certificate relates to the structural aspects of the building only.
- The slab and footings nominated on the drawings are suitable for class A, S, M & H site classifications (awnings, garden sheds and carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall seek advice from a local building practitioner should the site classification fall outside of this range ie class H, E and P sites. The founding material shall have a minimum safe bearing capacity of 75kPa.
- The building shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA accept no responsibility whatsoever for the performance of structures not constructed strictly in accordance with these documents.
- The structures are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 wind loadings. The site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derived using AS1170.2-2002.

The following criteria are applicable to structure wind loads:

Structure Importance Level: 2 Annual probability of exceedance: 1:500 Topographic Classification: T1 Internal Pressure Coefficients: N2, N3 gara

N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.65 (cyclonic)

The structures are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier or local authority to ensure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the product's individual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 for topographic classification T1, for the relevant wind region. NJA Consulting will not be providing site specific wind data as part of this certification. Should the certifier require site specific wind data, then they shall refer the applicant to a suitably qualified local building practitioner.

This certificate shall not be construed as relieving any party of their contractual or duty of care responsibilities, and is valid until 08 October 2018. Beyond this date the certification is to be carried by another consultant.

Signature

TM9.

Signed: Darren McDonald EC25680

for and on behalf of NJA Consulting Pty Ltd

Date: 10 April 2018



Our Ref: 12206-003: DMCD

4 February 2016

ABSCO PO Box 119 ACACIA RIDGE QLD 4110

Attn: Ms Lisa Holtby

Dear Lisa

ABSCO KIT-FORM BUILDING PRODUCTS – REGULATION 88 - CERTIFICATE OF INDEPENDENT TECHNICAL EXPERT

We refer to the above matter.

We advise that NJA Consulting have been providing structural engineering certification services to ABSCO since 2006.

The current structural designs were originally prepared and certified by Cardno prior to NJA being engaged as the structural engineering certifier for ABSCO. The structural design verification process was undertaken by NJA Consulting based on the Cardno designs prior to providing certification services.

The structural design verification process has been undertaken, which complies with the following Australian standards and design conditions:

- NCC Building Code of Australia (2015) Volume 2 Class 1 and Class 10 Buildings
- AS1170.0-2002 Structural design actions Part 0 General Principles
- AS1170.1-2002 Structural design actions Part 1 Permanent, imposed and other actions
- AS1170.1-2011 Structural design actions Part 2 Wind Actions
- AS3600 2009 Concrete Structures
- AS4100 1998 Steel Structures
- AS4055 2012 Wind loads for Housing
- AS4600 2005 Cold-formed Steel Structures
- AS2870 2011 Residential Slabs and Footings Construction.
- Ramset Specifiers Resource Book
- Buildex Fasteners Technical Specification
- Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide.

The current product range was originally indicated on Cardno drawings as follows:

 Sheds/Garages:
 1685/11/01-045, 049 to 050, 200 to 211, 224 to 227

 Garden Sheds:
 1685/11/01-017 to 019, 028, 031, 038, 039, 040, 055, 056, 059, 062

 Awnings:
 1685/11/01-060, 063, 231, 232

 Carports:
 1685/11/01-041 to 044, 051, 052, 100, 101



NJA Consulting	Pty Ltd	
ACN 089 515 720		

Suite 14, Level 1				
Plaza Chambers				
3-15 Dennis Road				
PO Box 64				
Springwood QLD 4127				
Ph	(07) 3208 4755			
Fax	(07) 3208 1822			
Email	admin@nja.com.au			
Web	www.nja.com.au			

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S	FORENSIC	



The ABSCO product range is currently indicated on NJA drawings as follows:

Garden Sheds: 06205-003-GS01C, GS02C, GS03B, GS04B, GS05B, GS06A, GS07A, GS08B, GS09 to GS11, GS12B, GS13B, GS14C, GS15, GS16C, GS17 Carports: 06205-003-CP01, CP02A, CP03 to CP06, CP07A, CP08, CP09 Awnings: 06205-003-AW01A, AW02A, AW05 Garages: 06205-003-GR01A, 02A, 03B to 11B, 12A, 13B, 14A, 15B Connections: 06205-003-CN01

If constructed in accordance with the above plans the range of structures indicated will comply with the relevant parts of the Building Code of Australia, and should be structurally sound.

We advise as independent technical experts;

- 1. We are not direct employees of the product manufacturer or building owner;
- We were not involved in any aspect whatsoever of the product development or original design process by the previous consultant;
- We have no pecuniary interest whatsoever in any aspect of proposed developments involving ABSCO products;
- 4. We have qualifications (Bachelor Degree suitable for corporate membership of the Institution of Engineers Australia) that qualify NJA Consulting Pty Ltd to act as an independent technical expert under regulation 85 of the South Australian Development Regulations.

Specifically in relation to the range of ABSCO Products the following limitations apply;

SCOPE OR LIMITATIONS

- This certificate relates to the structural aspects of the building only.
- The slab and footings nominated on the drawings are suitable for class A, S, M & H site classifications (awnings, garden sheds and carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall seek advice from a local building practitioner should the site classification fall outside of this range is class H, E and P sites. The founding material shall have a minimum safe bearing capacity of 75kPa.
- The building shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA accept no responsibility whatsoever for the performance of structures not constructed strictly in accordance with these documents.
- The structures are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 wind loadings. The site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derived using AS1170.2-2002.

The following criteria are applicable to structure wind loads:

Structure Importance Level: 2 Annual probability of exceedance: 1:500 Topographic Classification: T1

Internal Pressure Coefficients:

N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.3 (cyclonic) Garden Sheds: 0.0, -0.2 (all regions)

Garden sheds are considered to be effectively sealed during major wind events.

The structures are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier or local authority to ensure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the product's individual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 for topographic classification T1, for the relevant wind region. NJA Consulting will not be providing site specific wind data as part of this certification. Should the certifier require site specific wind data, then they shall refer the applicant to a suitably qualified local building practitioner.

> This certificate shall not be construed as relieving any party of their contractual or duty of care responsibilities.



The range of engineering drawings for ABSCO garden sheds is Indicated as GS01 to GS16 inclusive. These drawings nominate the maximum size garden shed structure, in length, width, and height permissible for each shed design. NJA acknowledge that for each garden shed design, as detailed on engineering plans GS01 to GS16 inclusive, that garden shed structures smaller in size are acceptable, providing that all structural elements are fully adhered to, including internal steel framework, which can be proportionately reduced in size and spacing, in accordance with the reduced garden shed size.

Please contact us if you have any further queries in relation to this matter.

Yours faithfully

EM9

Darren McDonald – Senior Structural Engineer (Director)

B.E. (Civil) RPEQ 5453 QLD 24619ES NT EC25680 VIC CC 4481E TAS

for and on behalf of NJA Consulting Pty Ltd

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CERTIFICATI	Section 94 Section 106 Section 129 Section 155			
To:			Owner name Address Suburb/postcoo	Form 35
Designer detail	<u></u>			
Name:	Darren McDonald		Category:	CIVIL
Business name:	NJA Consulting Pty Ltd		Phone No:	07 3208 4755
Business address:	PO Box 64 (3-15 Dennis R Springwood	load)		
e I	QLD	4127	Fax No:	07 3208 1822
Licence No:	CC-4481E Email addr	ess: d.mcdon	ald@nja.com.a	
Details of the p	roposed work:			
Owner/Applicant			Designer's proje	ect
Address:			Lot No	
Type of work:	Building work	: X	Plumbing work	(X all applicable)
Description of wor	k:			
New kit-form ste	el structure (Carport, Awni	ng or Garage)	(n ac re with sti or m ba	ew building / alteration / Idition / repair / removal / -erection ater / sewerage / ormwater / -site wastewater anagement system / ckflow prevention / other)
Description of the	Design Work (Scope, limitatio	ons or exclusion	s): (X all applicable	certificates)
Certificate Type:		F	esponsible Pra	ctitioner
			ingineer or Build	ng Designer
	ElEiro Sofoty design		ire Engineer	
			ivil Engineer or (Civil Designer
			uilding Services	Designer
		Ere service design Bu		Designer
			uilding Services	Designer
	Mechanical design		uilding Service D)esigner
	Plumbing design		lumber-Certifier; Designer or Engir	Architect, Building
	Other (specify)			
		Performance Sol	ution: 🕅	

Director of Building Control - date approved:2 August 2017

Building Act 2016- Approved Form No 35



Other details: NIL

Design documents provided:

The following documents are provided with this Certificate -

Document description:

Drawing number	ers:		
NJA Consultir	g Pty Ltd Drawings:		
Carports: Awnings: Garages: Connections	Drawings: 06205-003-CP01, CP02A, Drawings 06205-003-AW01A, AW02/ Drawings: 06205-003-GR01A, 02A, 0 Drawings: 06205-003-CN01	CP03 to CP06, CP07A A, AW05 3B to 11B, 12A, 13B, 1	A, CP08, CP09 4A, 15B
* Applicable dro Only some drav	wings for each individual ABSCO product s vings are required for each individual produ	hall be supplied with the ict	application.
This is a generic	certificate for kit-form steel building produ	icts. The above items left	blank on this
certificate shall	be completed by the applicant in conjunction	on with the Building Surv	eyor.
certificate shall Schedules: NIL	be completed by the applicant in conjunction	Prepared by:	Date:
Schedules: NIL	be completed by the applicant in conjunction	Prepared by: Prepared by:	Date:
Schedules: NIL Specifications: Computations;	be completed by the applicant in conjunction	Prepared by: Prepared by:	Date: Date: Date:
Schedules: NIL Specifications: Computations;	NIL NIL	Prepared by: Prepared by: Prepared by: Prepared by: Prepared by:	Date: Date: Date: Date:

Director of Building Control - date approved:2 August 2017

Building Act 2016- Approved Form No 35

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Standards, codes or guidelines relied on in design process:

Substance of Certificate:

The structural design for the range of ABSCO kit-form buildings has been undertaken in accordance with the following design conditions.

- NCC Building Code of Australia (2016) Volume 2 Class 1 and Class 10 Buildings
- AS1170.0-2002 Structural design actions Part 0 General Principles
- > AS1170.1-2002 Structural design actions Part 1 Permanent, imposed and other actions
- AS1170.2-2011 Structural design actions Part 2 Wind Actions
- AS1170.3-2003 Snow Loads
- AS3600 2009 Concrete Structures
- AS4100 1998 Steel Structures
- AS4055 2012 Wind loads for Housing
- AS4600 2005 Cold-formed Steel Structures
- AS2870 2011 Residential Slabs and Footings Construction.
- Ramset Specifiers Resource Book
- Buildex Fasteners Technical Specification
- Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide. Test results available on request.

Scope or Limitations

- This certificate relates to the structural aspects of the building only.
- The slab and footings nominated on the drawings are suitable for class A, S, M, and H site classifications (awnings, garden sheds and carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall seek advice from a local building practitioner should the site classification fall outside of this range i.e. class E and P sites. The foundation material shall have a minimum safe bearing capacity of 75 kPa.
- The building shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA accept no responsibility whatsoever for the performance of structures not constructed in accordance with these documents.
- The structures are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 wind loadings. The site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derived using AS1170.2-2002.

The following criteria are applicable to structure wind loads:

Structure Importance Level: 2 Annual probability of exceedance: 1:500 Topographic Classification: T1 Internal Pressure Coefficients

N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.65 (cyclonic)

The structures are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier or local authority to ensure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the product's individual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 for topographic classification T1, for the relevant wind region.

NJA Consulting will not be providing site specific wind data as part of this certification. Should the certifier require site specific wind data, then they shall refer the applicant to a suitably qualified local building practitioner.

This certificate shall not be construed as relieving any party of their contractual responsibilities, and is valid until 8 October 2018. Beyond this date the certification shall be carried by another consultant.

Director of Building Control - date approved:2 August 2017

Building Act 2016- Approved Form No 35



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Absco Industries Skillion Carport Model: CPDW50

NORTHERN TERRITORY OF AUSTRALIA **BUILDING ACT** SECTION 40 – CERTIFICATE OF COMPLIANCE – STRUCTURAL DESIGN

DOCUMENTS A	ATTACHED (as built drawings or latest amendments)
Drawing Nos:	This certificate covers the full range of ABSCO products as outlined on the following drawings:
NJA Consultin	g Pty Ltd Drawings:
Carports:	Drawings: 06205-003-CP01, CP02A, CP3 to CP06, CP07A, CP08, CP09
Awnings	Drawings: 06205-003-AW01A, AW02A, AW05
Garages	Drawings: 06205-003-GR01A, GR02A, GR03B to GR11B, GR12A, GR13B, GR14A, GR15B
Connections	Drawings: 06205-003-CN01
Other Related D	ocuments:
1. Schedu	le of inspections : see over
2. PI INSU	JRANCE CERTIFICATE (attached)
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DESIGN CERTIFICATE CRITERIA

The structural design for the range of ABSCO kit-form buildings has been undertaken in accordance with the following design conditions.

- > NCC - Building Code of Australia (2016) - Volume 2 - Class 1 and Class 10 Buildings
- AS1170.0-2002 Structural design actions Part 0 General Principles Þ
- \triangleright AS1170.1-2002 - Structural design actions Part 1 Permanent, imposed and other actions
- AS1170.1-2011 Structural design actions Part 2 Wind Actions
- ۶ AS1170.3-2003 - Snow Loads
- ۶ AS3600 - 2009 - Concrete Structures
- AA AS4100 - 1998 - Steel Structures
- AS4055 2012 Wind loads for Housing
- ⊳ AS4600 - 2005 - Cold-formed Steel Structures
- ≻ AS2870 - 2011 - Residential Slabs and Footings - Construction.
- ⋟ Ramset - Specifiers Resource Book
- **Buildex Fasteners Technical Specification** ≻
- ≻ Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide.

Class of Building (BCA): 10a Building Importance Level: (BCA Table B1.2a): 2 Annual Probability of Exceedance for wind: 1 in 500

Revised 31/7/14

No changes to the declaration are permitted

Page 1 of 3



COMMENTS	CLUSIONS (Exclusions to this Certificate must be clearly identified).
 This ce The sla sheds a advice The fou The bui no resp docume The stru loading using A 	ate relates to the structural aspects of the building only. d footings nominated on the drawings are suitable for class A, S, M & H site classifications (awnings, garde carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall see a local building practitioner should the site classification fall outside of this range ie class H, E and P sites g material shall have a minimum safe bearing capacity of 75kPa. g shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA acceptibility whatsoever for the performance of structures not constructed strictly in accordance with these res are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 win the site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derive 70.2-2002.
The following	iteria are applicable to structure wind loads:
Structure In Annual prol Topographi Internal Pre	tance Level: 2 lity of exceedance: 1:500 assification: T1 re Coefficients N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.3 (cyclonic)
The structu authority to product's ir topographic as part of t a suitably of	are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier or loca ure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the dual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 fo ssification T1, for the relevant wind region. NJA Consulting will not be providing site specific wind data certification. Should the certifier require site specific wind data, then they shall refer the applicant to ified local building practitioner.
 All glaz to the W the required determition Flat site a possil This certificities 2018. Beye 	indows and doors to be designed and certified by window manufacturer. The glazing shall be designed Classification System specified above, as defined in AS4055-1992. The glazing manufacturer shall satisfy nents of AS2047 for the specified Wind Classification System. The wind classification system has been on the basis of the following additional assumptions:- here the site is not generally flat (i.e. average slope steeper than 1:10), advise the certifying engineer for eclassification of the glazing requirements. shall not be construed as relieving any party of their contractual responsibilities and is valid until 8 Octobe the date the certification will be carried by another engineering consultant .
2010. 009	
	163

	CERTIFICATION BY ST	RUCTURAL ENGINEER	2
Company Name if certification issued on behalf of a corporation NJA CONSULTING PTY LTD Company NT Registre			ation Number: 53639ES
I certify that reasonable care has bee in accordance with the requirements	n taken to ensure that the structural e of the Building Code of Australia and	ngineering aspects of the work the Northern Territory Buildin	ts as described above have been designe ng Regulations.
I certify that reasonable care has bee in accordance with the requirements Name (see "below)	of the Building Code of Australia and Nominee/Individual NT Registration Number	ngineering aspects of the work the Northern Territory Buildin Signature	s as described above have been designen ng Regulations.

* Name and registration number of nominee signing on behalf of the company or if no company, name of individual issuing certification.

Page 2 of 3

ABSCO INDUSTRIES



SCHEDULE OF STRUCTURAL INSPECTIONS (CERTIFIER TO DETERMINE REQUIREMENTS)

- [] 1. Completion of site preparation/site filling/excavations for footings prior to placement of any reinforcement or concrete.
- [] 2. Completion of preparations for placing of concrete strip footings including placement of reinforcement.
- [*] 3. Completion of preparations for placing concrete slabs including compaction of fill and sand blinding, placement of formwork, reinforcement, starter bars and cast in items.
- [] 4. Completion of preparations for placing of concrete pier footings including reinforcement (if any).
- [] 5. Starter bars and cast in items after placing of concrete and prior to any covering up work.
- [] 6 Reinforcement to walls completed prior to core filling (inspection holes and cleanout cores to be completed).
- [*]7. Structural steelwork and cold formed steelwork completed and prior to any covering up work. Floor framing system completed before floors are laid or underside is lined.
- [] 8. Suspended concrete floor slabs with formwork, reinforcement and cast in items completed, prior to placing of concrete.
- [] 9. Wall framing or blockwork wall core filling completed (with windows fixed in place) and roof framing with connections completed and prior to sheeting or lining.
 - Note: [] Prior lodgement of truss manufacturer's drawings, details and certification required. [] Prior lodgement of windows manufacturer's drawings including fixings and certification required.
- [] 10. Structural wall linings completed and prior to any covering up work.
- [] 11. Final inspection upon completion of all structural work including fixings of external roof and wall claddings, flashings, barges & vents.
- [] 12. Other Inspections

Important Information:

- The above inspections are required to be carried out by either the certifying engineer or the building certifier who issued the Building Permit for the work. (If no inspections are indicated refer to the certifying engineer for advice).
- 2) Where works are prescribed building works under the NT Building Act, the building certifier must be provided with a copy of the inspection record and no further works must be carried out by the builder until the building certifier issues a release to proceed with further works.
- Additional non-structural inspections may be required during the course of construction before the issue of an Occupancy Permit (refer to building certifier for requirements).
- Failure to obtain inspections may prevent the issue of an Occupancy Permit upon completion of the building works.

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ABSCO INDUSTRIES

ASSEMBLY INSTRUCTION MANUAL CARPORT MODEL: CPDW50 10-05-2017



TK SPECIALTY RISKS PTY LTD ABN: 21 608 877 783 Representative No: 00123737 Corporate Authorised Represe Millennium Underwriting Agen Certificate of Currence	ARISKS 1 ntative cles Pty Ltd - AFSL No: 246721 Y	
Insured:	NJA Consulting Pty Ltd	
Class of Insurance:	Professional Indemnity Insurance	
Policy Number:	TKSCC1709131736	
Policy Term:	From 4pm 8/10/2017 to 4pm 8/10/2018	
Limit of Liability:	Professional Indemnity: \$3,000,000 Costs Inclusive	
Excess:	Professional Indemnity: \$10,000	
Wording:	TKSR CCB 2016	
Retroactive Date:	Unlimited, excluding known claims and/or circumstances	
Insurer:	100% Certain Underwriters at Lloyd's	
The above is a brief outline the terms and conditions o	of the Policy only, and coverage is at all times subject to f the Policy.	
- ACT		

T Kent Authorised Officer Millennium Underwriting Agencies Pty Ltd

Date: 06/10/2017



AUSTRALIA PRODUCT WARRANTY AGAINST DEFECTS

Congratulations on your purchase of an ABSCO SHED

ABSCO SHEDS, including garden sheds, garden beds, aviaries, storage units, garages, awnings and carports are made using high quality Australian made steel.

We are pleased to advise we warrant that the steel coating will not rust, crack, flake peel or blister for **30 years** from date of purchase, when installed within Australia.

This warranty does not apply to surface deterioration of panels caused by 'Swarf" (Tiny particles of steel debris left from cutting, grinding or drilling operations) that has not been removed after building construction, or as a result of contact with damp soil, chemicals, fertilisers or other corrosive substances.

This warranty covers any Absco product used for normal domestic use and installed in accordance with the installation instructions. The warranty does NOT cover Damage caused by storms, wind, rain snow or poor foundations.

This warranty does NOT cover ABSCO products installed in severe coastal, industrial or other highly corrosive environments. The warranty does not cover fasteners (screws, nuts, bolts, rivets, hasps or sliding padbolts).

The warranty is limited to replacement and delivery of components and does not include any labour or installation costs. The benefits given by the warranty are in addition to your other rights and remedies under a law in relation to the goods or services to which the warranty relates.

The warranty applies to the exclusion of all other representations, guarantees or warranties express or implied, our goods come with guarantees that cannot be excluded under the Australian consumer law and is not transferable. You are entitled to a replacement or refund for a major failure and for compensation for any other foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of an acceptable quality and the failure does not amount to a major failure. For further information go to http://www.consumerlaw.gov.au.

Please retain a proof of purchase (sales docket or invoice) or register your warranty within 30 days of purchase here: www.absco.com.au/register_warranty.php

In the unlikely event a warranty claim is made, it must be supported by photographic evidence and details of the defect, including component part numbers, together with proof of purchase documentation (or on-line registration of purchase) and forwarded to the address below. Upon receipt of the warranty claim, the Customer Service Manager will contact you within three business days to advise you of the assessment outcome of the claim, which may include your expenses incurred in making the claim.

THE CUSTOMER SERVICE MANAGER, ABSCO INDUSTRIES, PO BOX 119 ACACIA RIDGE QLD AUSTRALIA 4110

PHONE: 1800 029701 FAX: 07-33441191 EMAIL: warranty@absco.com.au

Issued 01 January 2013



ABSCO SHEDS - STORAGE GUIDELINES

ABSCO SHEDS include garden sheds, garden beds, storage units, aviaries, garages, awnings and carports.

ABSCO SHEDS are designed to be weatherproof for normal weather conditions. In the event of extreme weather conditions such as heavy rain, combined with high wind gusts, the ridge capping, sheeting joins, screw fixings etc., may exhibit minor deformations which may allow some water entry. These areas should be checked regularly to ensure that maximum strength and protection is maintained.

Other weather conditions such as extreme heat and extreme cold, moist or dry air can influence the effects of concrete floor moisture and/or condensation on the underside of the roof sheets.

ABSCO SHEDS and storage units are primarily used for storage of garden equipment such as lawnmowers, wheelbarrows, garden tools etc. Storage items that might be adversely affected by any of the above conditions may require additional protection such as being sealed or covered by plastic sheets and/or stacked above the concrete floor on timber slats.

Waterproof sealants may be used to offer further protection where required around joins and screw fixings, as can rubber door seals and other products which are available from most hardware outlets.

Placement of waterproof sealants (silicone) between the base of the shed and concrete slab is not recommended, as this process can have a reverse effect, preventing excess water from escaping, resulting with water accumulating and being trapped inside the shed.

Absco accepts no responsibility for water entry, floor moisture, condensation or the condition of the Contents inside your Absco steel building arising from any of the pre-mentioned weather conditions.