

ENVIROCON® INTERBLOC® LOGISTICS

SITE ACCESS AND LOGISTICS GUIDE

DELIVERY, UNLOADING AND SITE PREPARATION
FOR INTERBLOC® BLOCKS

Envirocon Australia Pty Ltd · Version 1.1 · October 2026

AS 2890.2 AS 3850.1 HVNL

envirocon.net.au

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BEFORE YOU ORDER

READ THIS FIRST

Interbloc® blocks are typically delivered on B-doubles and loaded on and off the truck using a forklift with a minimum capacity of 2.5 tonnes. Every block is at least half a tonne and the heaviest standard unit is two tonnes. This guide is designed to help customers avoid delays and the charges that come with them, which are usually caused by a site not being fully prepared to receive a load.

We typically book deliveries 4 to 7 days in advance and will confirm a delivery window with you. We provide 30 minutes of free unloading, after which wait charges may apply. In accepting our quote, you agree to pay any additional freight charges.

If you have any questions or need anything clarified, please discuss them in advance with your Envirocon® representative.

CONTENTS

01	WHAT WE DELIVER	03
	Interbloc® range · Block weights and volumes	
02	GETTING THE TRUCK TO YOU	04
	Truck sizes · Site layout · Ground conditions	
03	UNLOADING	05
	Forklift · Excavator · Crane truck · Lifting anchors · If we're installing	
04	LOADS AND COLLECTION	08
	How loads are secured · Collecting from our yard	
05	CHAIN OF RESPONSIBILITY	09
	What we do · What we need from you	
06	PRE-DELIVERY CHECKLIST	10
	Twelve checks · What this guide covers	

01 WHAT WE DELIVER

BLOCK WEIGHT DECIDES THE TRUCK, THE FORKLIFT AND THE GROUND

The weight of the blocks on your order decides how many fit on a truck, the size of forklift you need, and the ground condition requirements.

1.1 INTERBLOC® RANGE

BLOCK	W × D × H (MM)	VOLUME (M ³)	WEIGHT
600 Standard	600 x 600 x 600	0.214	500 kg
600 Flat Top	600 x 600 x 600	0.206	500 kg
600 Capper	600 x 600 x 600	0.127	290 kg
1200 Standard	1200 x 600 x 600	0.428	1.00 t
1200 Flat Top	1200 x 600 x 600	0.413	1.00 t
1200 Flat Bottom	1200 x 600 x 600	0.443	1.00 t
1200 Flat Top Recess	1200 x 600 x 600	0.410	0.94 t
1200 Foundation	1200 x 600 x 600	0.339	780 kg
1200 Capper	1200 x 600 x 600	0.254	585 kg
1800 Standard	1800 x 600 x 600	0.642	1.50 t
1800 Flat Top	1800 x 600 x 600	0.620	1.50 t
1800 Flat Bottom	1800 x 600 x 600	0.665	1.50 t
1800 Flat Top Recess	1800 x 600 x 600	0.615	1.415 t

Weights are nominal, based on a concrete density of 2200 to 2500 kg/m³.

02 GETTING THE TRUCK TO YOU

TRUCK SIZES, SITE LAYOUT AND GROUND CONDITIONS

2.1 TRUCK SIZES

TRUCK	MAX LENGTH	GROSS MASS	TYPICAL PAYLOAD	ACCESS
2-axle rigid	12.5 m	15.0 t	7 to 8 t	General
3-axle rigid	12.5 m	22.5 t	13 to 14 t	General
4-axle rigid	12.5 m	26.0 t	15 to 16 t	General
6-axle semi-trailer	19.0 m	42.5 t	24 to 26 t	General
9-axle B-double	26.0 m	62.5 t	40 to 42 t	Approved routes only

Lengths and mass limits follow the NHVR standard heavy vehicle combinations. Payloads are a guide only. Higher Mass Limit and Performance Based Standards vehicles can carry more, but need accreditation and approved routes.

2.2 SITE LAYOUT

To get a heavy vehicle in and out safely, your site needs at least the following (based on AS 2890.2).

REQUIREMENT	MINIMUM
Turning radius for a 26 m B-double	12.5 m or 15.0 m, depending on the design vehicle
Width needed to turn a 90° corner	8 to 10 m
Driveway width for a B-double	8 to 10 m
Height clearance	4.5 m (4.6 m recommended)
Slope of the unloading area	1:20 (5%) maximum
Slope of any access ramp	1:6.5 (15.4%) maximum
Truck movement	Drive in forwards and out forwards. This is often a council condition.

2.3 GROUND CONDITIONS

- **Firm, level hardstand** next to the truck and along the path the forklift will take. A loaded forklift getting stuck in soft ground is the most common reason unloading runs over time.
- **Room for the truck to turn around.** If a semi-trailer or B-double has to reverse out of your site, the driver may refuse the delivery.
- **A clear laydown area close to the truck.** Each block takes up 0.72 m² of ground, and the further the forklift has to travel, the longer unloading takes.
- **No loose or uncompacted fill** under the forklift or under crane outriggers.

03 UNLOADING

THE MACHINE YOU UNLOAD WITH SETS THE TIME ON SITE

Unloading is your responsibility. The freight price includes 30 minutes on site, and wait charges may apply after that. The machine you unload with makes the biggest difference to how long it takes.

30 MIN

FREE UNLOADING

A forklift will normally clear a full load inside 30 minutes. An excavator usually won't.

3.1 FORKLIFT (RECOMMENDED)

Nearly all our deliveries are unloaded by forklift. It's the quickest option because the forklift lifts each block straight off the deck and carries it to the laydown area, with no chains or rigging and no one needed on the ground. You'll need a forklift with a capacity of at least 2.5 tonnes, and heavier blocks need a bigger machine.

HEAVIEST BLOCK ON THE LOAD	FORKLIFT CAPACITY
500 kg, 600 series	2.5 tonne
1.00 t, 1200 Standard and Flat Top	3 tonne
1.50 t, 1800 series	3 to 4 tonne

Check the forklift's rated capacity at the actual load centre, not just the number on the badge. Capacity drops as the load moves away from the mast, and attachments such as a jib reduce it further. Also check:

-
- | | |
|--|---|
| <ul style="list-style-type: none">■ Tyre length. Tyres need to cover the full depth of the block: 600 mm for most blocks and 1200 mm for the 1200 Base. <hr/> | <ul style="list-style-type: none">■ Reach. Blocks are loaded four across. The forklift needs to reach the far row, or work from both sides of the truck. <hr/> |
| <ul style="list-style-type: none">■ Ground. A standard forklift needs firm, level hardstand. On soft or uneven ground, use a rough terrain forklift. <hr/> | <ul style="list-style-type: none">■ Licence. The operator needs a current forklift high risk work licence. <hr/> |

3.2 EXCAVATOR

If you don't have a forklift, an excavator can do the job, but it's slower. It lifts one block at a time on a chain and has to reposition between lifts, so it rarely finishes inside 30 minutes. To avoid additional wait charges, inform us in advance if you plan to unload with an excavator.

-
- The excavator must be rated for lifting, with a certified lifting eye or shackle point.
-
- Lift from the cast-in anchor using a certified chain and the correct clutch. **Never lift blocks in the bucket.**
-
- Let us know at order stage if you're using an excavator, so we can price the freight for the time it will take.
-

3.3 CRANE TRUCK

We can arrange a crane truck where a forklift can't reach the drop-off point but the truck can. It needs to be booked in advance and is priced separately.

2 t @ 5 m

10 TONNE-METRE CRANE

1 t @ 10 m

LESS THE WEIGHT OF THE RIGGING

Crane capacity drops the further the load is from the truck. Cranes of 10 tonne-metres or more need an operator with a Vehicle Loading Crane high risk work licence, and the operator must be able to see the load at all times.

3.4 LIFTING ANCHORS

Each 600 series block has a single cast-in Reid SwiftLift foot anchor (2.5 tonne rating, 120 mm). Capper blocks have a 1.3 tonne anchor. The system complies with AS 3850.1 with a safety factor of 4. You only use the anchor when lifting by chain. A forklift lifting on its tynes doesn't need it.

2.5 t

SWIFTLIFT ANCHOR

1.3 t

CAPPER ANCHOR

20 MPa

MINIMUM BEFORE LIFTING

- **One lifting point only.** Lift straight up and never side-load the anchor.
- Use a Reid certified SwiftLift clutch only. **Any other lifting device voids the warranty.**
- Blocks must reach at least 20 MPa before they're lifted.
- Rigging must be certified and rated above the block weight. Use taglines to guide the block and avoid shock loading.
- Keep an exclusion zone around suspended loads. Whoever is doing the lift sets the distance in their lift plan.

3.5 IF WE'RE INSTALLING

When Envirocon® installs your wall, and we have priced to unload the truck for you, our crew brings:

- | | |
|---|----------------------------------|
| ■ 3 tonne forklift with boom | ■ Rated certified chain |
| ■ 2.5 tonne and 1.3 tonne lifting claws | ■ Vertical reinforcing spanner |
| ■ Torque wrench | ■ Hammer drill with diamond bits |
| ■ Hole cleaning kit | ■ Epoxy dispenser |
| ■ Hand tools | |

04 LOADS AND COLLECTION

HOW BLOCKS TRAVEL AND WHAT TO BRING TO OUR YARD

4.1 HOW LOADS ARE SECURED

Blocks travel in a single layer on a flat deck, four across, with a 200 to 300 mm gap between rows so the straps can be reached. Each row is tied down with rated straps or chains running in line with the rows.

REQUIREMENT	STANDARD
Forward restraint	0.8 g
Sideways and rearward restraint	0.5 g
Upward restraint	0.2 g, where friction resists the other directions
Webbing straps	AS/NZS 4380
Chains	AS/NZS 4344

These standards come from Schedule 7 of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation. The NHVR Load Restraint Guide is the working reference.

- Corner and edge protectors are used on every load.
- Straps and chains are rechecked 30 to 60 minutes after departure, and regularly after that.
- Dunnage and friction mats are supplied by the transport operator, at their discretion.

4.2 COLLECTING FROM OUR YARD

If you're collecting blocks yourself:

- **Flat deck or curtain-sider only.** We can't load tow trucks or trucks with fixed sides.
- Bring your own correctly rated chains and corner protectors.
- Deck lips higher than about 50 mm stop us placing blocks safely.
- The site speed limit is **10 km/h**, and drivers must stay where the forklift operator can see them.

05 CHAIN OF RESPONSIBILITY

SHARED DUTIES UNDER THE HEAVY VEHICLE NATIONAL LAW

Under the Heavy Vehicle National Law, everyone involved in a delivery shares responsibility for its safety, not just the driver. Each party's duty applies at the same time and can't be handed to someone else.

ENVIROCON®

**CONSIGNOR, PACKER AND
LOADER**

YOU

CONSIGNEE AND UNLOADER

Roles on a typical Interbloc® delivery.

5.1 WHAT WE DO

- Give you the block type, size and weight before the truck leaves.
- Load the truck so it's stable and within mass limits.
- Check the load restraint meets the standard before the truck leaves the yard.

5.2 WHAT WE NEED FROM YOU

As the receiving site, you're expected to:

- Nominate someone to check each vehicle as it arrives, and assess each one on its merits.
- Have written procedures for accepting or refusing a vehicle, and train the staff who use them.
- Train staff to spot and fix a poorly secured load.
- Have a place to park a vehicle that isn't compliant.
- Include compliance terms in your contracts with transport providers.
- Report any problems back to the party responsible.

This is a summary only. The National Heavy Vehicle Regulator (NHVR) sets out your obligations in full.

06 PRE-DELIVERY CHECKLIST

RUN THROUGH THIS BEFORE YOU CONFIRM YOUR DELIVERY DATE

#	CHECK	CONFIRMED
01	The largest truck your site can take, and whether it's on an approved route	☐
02	Room to turn around, so the truck can drive in and out forwards	☐
03	Enough width and height clearance all the way into the site	☐
04	Slopes within 1:20 on the unloading area and 1:6.5 on any ramp	☐
05	Firm, level hardstand next to the truck and along the forklift route	☐
06	A forklift on site, rated for the heaviest block at the actual load centre	☐
07	The operator holds a current forklift high risk work licence	☐
08	A clear laydown area close to the truck, allowing 0.72 m ² per block	☐
09	Unloading can be done in 30 minutes, or extra time has been agreed and priced	☐
10	An exclusion zone set up and explained to everyone on site	☐
11	Someone nominated to check the truck when it arrives	☐
12	Site induction and speed limit explained to the driver	☐

WHAT THIS GUIDE COVERS

This guide covers delivery and unloading only. It isn't a design document or a lift plan.

PLEASE NOTE

Foundations, hardstand and pavements need to be designed by a qualified engineer registered in the state or territory where the work is being done. Whoever does a lift is responsible for planning it, in line with AS 3850 and the relevant state work health and safety code of practice. Your duties under the Heavy Vehicle National Law apply to you directly and can't be passed on by contract.

QUESTIONS ABOUT YOUR SITE

If you have any questions about your site, please talk to your Envirocon® representative before you place your order.

WEB

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