

Guidelines

# Freight and Delivery of Blocks

At one tonne, each Interbloc blocks require heavy duty freight services. We offer our customers a range of options when it comes to freight:

- Option 1: Interbloc Full Service Delivery (Delivery, Unloading, and Installation)
- Option 2: Interbloc Organised Delivery only
- Option 3: Customer Organised Pick Up

These guidelines will introduce you to the minimum requirements for each transportation option to ensure all deliveries occur on time, and at the least cost to our customers.

## Freight Service Options

### Interbloc Full Service

Benefits:

- Most popular
- Interbloc organises transport of blocks, offloads at site, and installs
- Customer receives one bill from Interbloc
- Most convenient for the customer

Interbloc offers a full freight organisation service to all our customers. This popular service sees us take the hassle out of organising delivery, unloading the blocks at the customer's site, and installation of the blocks. We leverage our connections throughout the freight industry to select the best freight option at the best price, delivering superior value to our customers.

### How does it work?

1. **Request a Quote** – when you request a quote from the Interbloc sales team the freight price included in the quote will be for the full service freight option.
2. **Accept the Quote** – By accepting the quote you agree that to comply with Interbloc site access requirements outlined below. Any delays may result in extra charges for the customer.
3. **Agree to Delivery Date** – Depending on the size of a project the blocks will either be delivered to site on the day of the installation, or in the days leading up to the installation. At all times your Interbloc rep will keep in close contact with you on truck movements and project timelines.
4. **Interbloc Offload Blocks** – An Interbloc rep will be responsible for offloading all blocks at site and stacking in a designated area in accordance with the guidelines outlined below. Where the customer opts to provide equipment for offloading the blocks the equipment needs to comply with the guidelines outlined below.
5. **Installation of the Blocks** – Interbloc will proceed to install the blocks as per the plan outlined to you from your Interbloc rep.

## Interbloc Organised Delivery

Benefits:

- Receive cost savings through Interbloc buying power
- Greater flexibility on delivery times
- Best option for self-install projects

Interbloc will offer to organise delivery of blocks to site, however the customer will be responsible for offloading the blocks at site. This is the perfect option for customers who intend to install the blocks themselves.

### How does it work?

1. **Request a Quote** – Where a customer indicated they will be completing their own install, the freight price shown on the quote will be for Interbloc Organised Delivery only.
2. **Accept the Quote** – By accepting the quote you agree that to comply with Interbloc site access and unloading requirements outlined below. Any delays may result in extra charges for the customer.
3. **Organise Delivery Dates** – Your Interbloc rep, and Interbloc's freight supplier will work with you to organise a delivery time. All site access requirements and guidelines outlined below apply. If there are any special requirements relating to your site customers will need to raise this with your Interbloc rep to ensure deliveries comply with requirements.
4. **Customer Offload Blocks** – When the blocks arrive to site it will be the customer's responsibility for offloading the blocks. To minimise chipping while offloading blocks Interbloc strongly recommends customers use lifting equipment as outlined in the guidelines below. Included in the price of delivery is 45 minutes wait time to offload blocks. Waiting longer than 45 minutes will incur extra costs which will be passed on to the customer.

## Customer Organised Pick Up

From time to time customers will opt to pick up the blocks from an Interbloc manufacturing yard. Interbloc is able to accommodate such requirements.

### How does it work?

1. **Accept the Quote** – When accepting a quote specify to your Interbloc rep if you intend organise the delivery of the blocks to site.
2. **Dispatch Dockets** – All pick-ups from a Interbloc yard require a dispatch docket, you will receive this from your Interbloc rep. The truck driver picking up the blocks will need to present a copy of this when arriving at site. Organise with your Interbloc rep an expected pick up date.
3. **Pick Up** – Before arriving at site the truck driver will be required to call the yard dispatcher (the number will be listed on the dispatch docket) to inform them of an expected arrival date. The Truck driver will be required to comply with all Yard Health and Safety directives. The truck driver will also be required to supply dunage as outlined below.

Where the customer opts to customer organised pick up, Interbloc warrants the blocks and condition of the blocks only up to the stage they are loaded onto the truck. All customer organised pick-ups are subject to yard operating requirements.

Interbloc recommends the following guidelines for customer organised pick ups:

### Type of Transport

Interbloc™ blocks are typically transported using either a flat deck, or curtain sider truck. Careful consideration needs to be given to how the blocks will be unloaded and offloaded when selecting transport type.

Truck Type	Lifting Equipment
Flat Deck	Forklift Excavator Telehandler/Front end loader Hiab
Curtain Sider	Forklift Front end loader with Forks

## Loading and Unloading Trucks

When loaded at an Interbloc™ manufacturing yard, loading must be completed by a Interbloc™ approved operator.

The truck driver is ultimately responsible for the distribution of the load across the deck, and should direct the machine operator on where to place blocks.

Consideration should be given to the size and weight of blocks when placing loads. Blocks can be placed four across on a standard 2.4m wide deck.

The interlocking recesses at the bottom of standard blocks provide natural lugs for forks to lift the blocks. Providing the lifting capacity of the forklift allows, standard 1200 blocks may be loaded two at the time.

*NB: Forks thicker than 50mm (common on forklifts above 2.5t) will bind in the fork slot and will damage the lower edge of the block.*

## Dunnage

Dunnage is material (wood) stowed under blocks to prevent damage or instability during transport.

All blocks must be transported using dunnage.

It is the responsibility of the transport operator to provide dunnage which conforms to Interbloc's™ requirements.

Dunnage Type	Specifications
Full Load (blocks across full 2.4m of deck)	100mm x 100mm x 2400mm wooden dunnage
Partial Load	100mm x 100mm x {width of blocks across deck}

## Load Restraints

Blocks must be tied down to the deck.

It is expected that land transport regulations are complied with. Where chains are used edge protectors should be used between the chain and the edge of the block to prevent damage to the block. Interbloc can supply rubberised edge protectors at minimal cost.

It is the responsibility of the transport operator to ensure they comply with all regulatory requirements, including all applicable NZTA requirements.

## General Guidelines and Requirements

### Site Access

Clear site access is essential to the smooth delivery of blocks. When establishing whether there is clear access to site customers should keep in mind blocks are transported on large trucks, often fully loaded and weighing in excess of 33 tonne. The following should be considered when assessing site access:

- **Access** – Average width of trucks transporting blocks are 2.5m wide. Access should be a minimum of 3m wide. Ensure over hanging trees, plants, or other obstacles are either cleared in advance, or are sufficiently high enough for trucks to pass under.
- **Turning** – Trucks will require sufficient space to turn on site. It is the customer's responsibility to notify their Interbloc rep if turning space is limited.
- **Unloading** – The most efficient way of unloading blocks is to unload blocks two at a time from either side of the truck deck. This requires a minimum of 6m clear space on either side of the truck to provide a sufficient and safe working area.
- **Stacking Blocks** – After being unloaded the blocks are required to be stacked in preparation for use in the structure. Good ground conditions may allow for blocks to be stacked 3 high. Stacking blocks as close to the final place of installation reduces installation times and minimises the need for double handling and potential damage. As a general guide for 3 blocks storage space of 1.5m<sup>2</sup> is required.
- **Ground Conditions** – Good access requires firm level ground, capable of bearing the weight of a fully loaded truck and trailer. Where weather causes ground conditions to change your Interbloc rep should be notified immediately.
- **Gradients** – Where access to site is via ground of varying gradients the customer must ensure it is passable by a fully loaded truck. Steep gradients, or incorrect prepared roads can result in an inaccessible site.

NB: Delays caused as a result of the site not complying with the above guidelines will result in extra charges being passed on to the customer.

## Effects of Transport on Blocks

The movement of the truck while in transit can result in minor chipping of the blocks. This is largely unavoidable, however in cases where it is essential to maintain the aesthetics of the block, blocks can be loaded on a truck with greater space between each block. This will result in increased freight costs. Customers who require this service should discuss this with their Interbloc rep.

At Interbloc we make every effort to minimise chipping. For this reason we require all blocks to be loaded on dunnage.

Interbloc does not take responsibility for chipping of blocks in transit.

## Lifting Equipment

Interbloc block weight between 500kg and 1500kg. As such it is important to ensure appropriate lifting gear is available. There are multiple ways of lifting the blocks depending on the requirements of individual projects, the type of truck freighting the blocks, and the ground conditions at site.

		Truck Type		
		Flat Deck	Curtain Sider	Bulk Transporter
Site Conditions	<b>Easy Access, Firm Ground</b> (i.e hard compacted deep gravel/concrete base)	Forklift Excavator Telehandler Tractor Crane Hiab	Forklift Telehandler Tractor	Crane Hiab Excavator
	<b>Easy Access, Medium Ground</b> (i.e loose packed gravel, dry soil, compacted lime)	All-Terrain Forklift Excavator Telehandler Tractor	All-Terrain Forklift Telehandler Tractor	Hiab Excavator
	Easy Access, Soft Ground (i.e. wet conditions, sand, upturned soil)	Excavator Tractor	Telehandler Tractor	Excavator
	<b>Difficult/tight access</b>	Forklift Excavator	Forklift	Excavator

Lifting equipment specified in the above table must also conform to the minimum specifications outlined below:

<b>Forklift</b>	<ul style="list-style-type: none"> <li>Minimum lift capacity 2.5 tonne</li> <li>Forks no greater than 1200mm long, or 45mm thick</li> <li>OSH Compliant</li> </ul>
<b>Excavator</b>	10 tonne lift capacity / OSH Compliant
<b>Telehandler</b>	1.5 tonne lift capacity / OSH Compliant
<b>Tractor</b>	1.5 tonne lift capacity / OSH Compliant
<b>Crance</b>	10 tonne lift capacity / OSH Compliant
<b>Hiab</b>	1 tonne lift capacity at 10m <a href="#">Extasicen</a> / OSH Compliant

All information in this guide should be read in conjunction with Worksafe NZ's Approved Code of Practice for the Safe Handling, Transportation and Erection of Precast Concrete, the Approved Code of Practice for Forklifts, the Approved Code of Practice for Cranes, and all other relevant regulations, codes of practice, and requirements.