

# MASSBLOC™

## Permeable Segmental Retaining Wall System

### BASIC LAYING GUIDE

*Note: This information is provided as a guide only. The Engineer's design details shall take precedence if there is any conflict or ambiguity with this information.*

#### STEP ONE:

- Excavate the base to the required depth.
- This will be site dependant – generally 1200mm wide and 200mm deep.

#### STEP TWO:

- Place GAP65 (or equivalent) into trench then compact to engineers requirements (100kpa as a basic guide).
- Use a laser level for the best result.
- Place a layer of binding material (eg GAP7 or sand) up to 20mm thick over the entire foundation.
- Use a screed to achieve a perfect level front to back and end to end.

#### STEP THREE:

- Set string line or conduit approximately 10mm from the front wall of the MassBloc™ wall.
- Blocks can be placed onto the base using an excavator with a certified chain and 2.5t swift lift.
- Should the work area be within reach of a hiab, blocks can be delivered and placed directly from the truck.
- Care must be taken so that the block is not damaged when unloading or placing.

#### STEP FOUR:

- Lower the MassBloc™ base unit approximately 30mm from the prepared base and move the unit slowly into position and then lower fully.
- Each consecutive block is lowered 30mm from base keeping 20mm away from previously placed block.
- Once the front face is positioned correctly **slowly** move the block to touch the adjoining block.
- Using a spirit level, check that each block is level.

#### STEP FIVE:

- Once the base now is level front to back and side to side standard blocks can be placed on top.

#### STEP SIX:

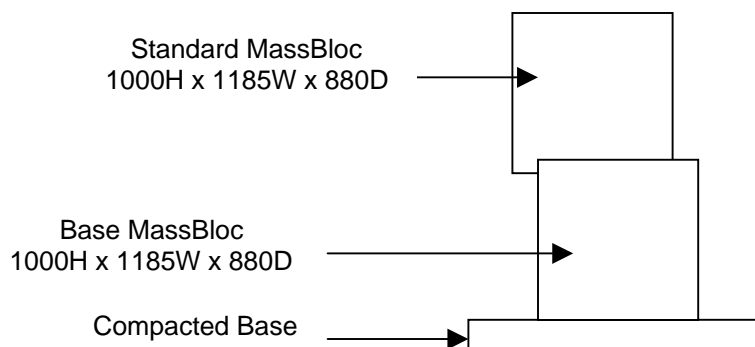
- Back filling. The Engineer's details will provide the required method.

#### Options Include:

- The MassBloc™ no fines concrete mix (Masstec mix) used in block manufacture can also be used as backfill material where speed of placing is important and/or backfill compaction is difficult. This mass of concrete can be used to increase the wall's stability. The no Masstec mix is available from Firth Readymix, and can be ordered with your blocks through CSP Pacific.

#### Other Options :

- Reid Bars
- Manta Rays
- Geogrids between each unit



For details on your local supplier or additional information contact CSP Pacific

[www.massbloc.co.nz](http://www.massbloc.co.nz) or 0800 655 200