



### **Product Version**

Gro-Wall® SLIM PRO

Document ID

MANUAL\_6\_PLANTER KIT\_APR17





## **6 PLANTER TRAY KIT**

# Assembly, Installation & Watering Guide

www.gro-wall.com.au

## **KIT COMPONENTS**

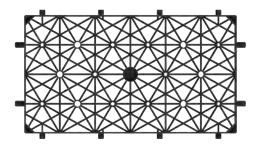
## **1 X PACKET OF SCREWS, WASHERS & WALL PLUGS**

**12 X SIDE PANELS** 



**8 X BASE PANELS** 





**6 X REAR PANELS** 

**6 X PLANTER TRAYS** 



**6 X GEOTEXTILE PADS** 









12 X DRAINAGE CAP



**32 X INTERNAL IRRIGATION CLIP** 



**8 X CHANNEL CONNECTOR** 



24 X SIDE CONNECTOR

32 X FRONT **IRRIGATION CLIP** (OPTIONAL)

# INSTALLATION OF PLANTER TRAY ALIGNMENT PINS

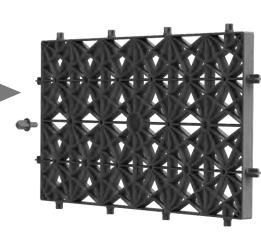
Remove tray pins from each side panel. Install 2 tray pins into the center line locations on the rear panel.

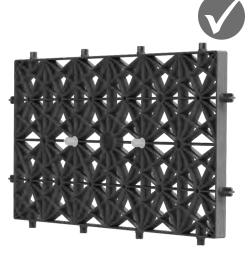
STEP 1 Remove tray pins from side panels.



STEP 2 Install 2 tray pins into the center line of the rear panel as shown. STEP 3 Tray pins installed correctly.

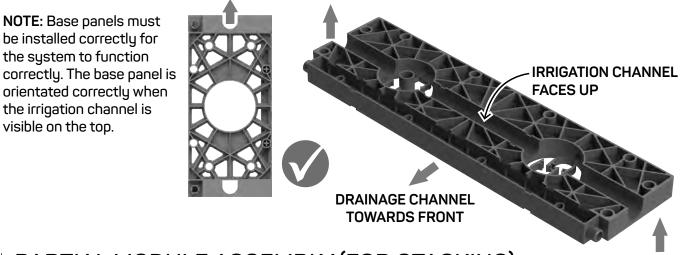






## **BASE PLATE ORIENTATION**

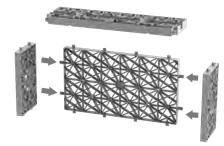
Ensure that modules are assembled with the irrigation channel facing UP!



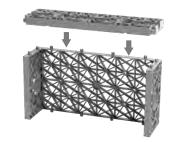
# PARTIAL MODULE ASSEMBLY (FOR STACKING)

The partial module is used to vertically stack the Gro-Wall® SLIM PRO modules on top of each other.

STEP 1 Attach the side panels to the rear panel.



STEP 2 Attach the base panel to the top of the assembly.



STEP 3 Complete sub assembly.



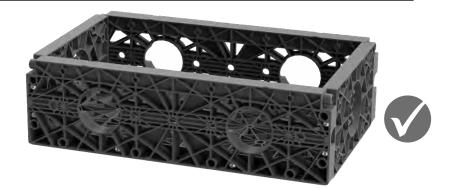
# SINGLE MODULE ASSEMBLY (BASE MODULE)

The single module is used to form the base of the vertical garden installation.

STEP 2 STEP 3 STEP 1 Attach the base panel to the top Attach the side panels to Module is assembled ready for and bottom of the assembly. the rear panel. screws. STEP 4 Attach and screw the 6 included screws to the bottom of the base plate BOSS BOSS at the dedicated boss (screw hole) (screw hole) locations. BOSS (screw hole) BOSS (screw hole)

## STEP 5

Completed base module assembly with base panel securely fixed in place.

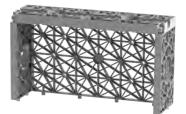


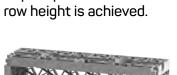
# VERTICAL STACKING OF ASSEMBLIES

STEP 2

Atlantis Gro-Wall® SLIM PRO are stacked on top of each other for vertical assembly.

STEP 1 Insert semi assembled module into base module.

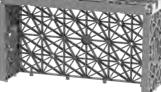


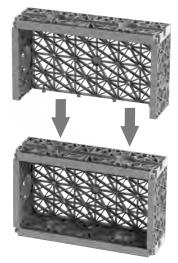


Repeat process until desired

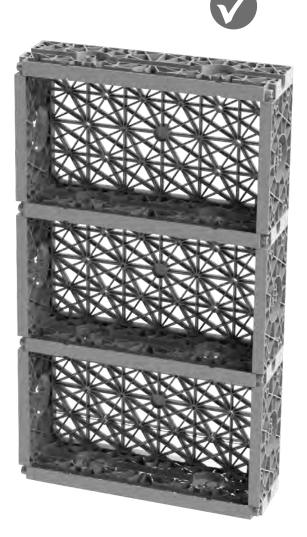
STEP 3

Stacking is complete.







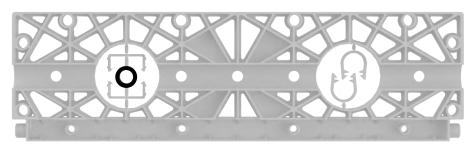


# **OPTION 1: CHANNEL DRAINAGE SETUP**

This setup will drain water away from each planter tray to a desired drainage outlet.

## STEP 1

Remove PIPE CONNECTOR and clips from base panels.



NOTE: PIPE CONNECTOR's are only used between connecting units.



STEP 2

Attach PIPE CONNECTOR's to the <u>right</u> <u>side</u> of units that will be connected together. STEP 3 Attach SIDE CONNECTOR PINS.



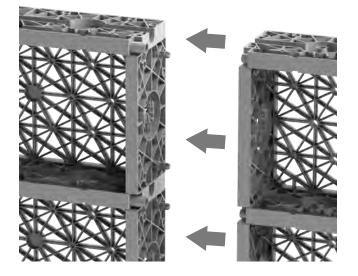
**STEP 4** Module stack ready for connection to adjacent module stack.

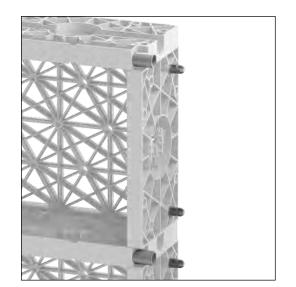






**STEP 5** Join module stacks together.





## STEP 6

Connect drainage pipes to the sides of the installation.



# **OPTION 2: STANDARD DRAINAGE SETUP**

This drainage setup will drain water from each planter tray into the planter tray below.

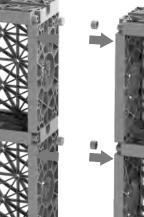
## STEP 1

Remove CAP and CONNECTOR PINS from side panels.

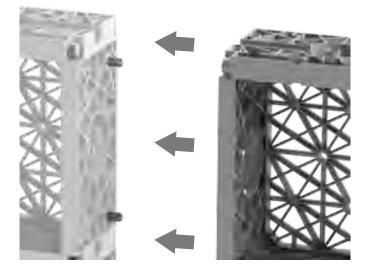


**NOTE:** Ensure that caps are attached to **ALL** channel drainage outlets.

STEP 2 Attach CAP's to all channel outlets.



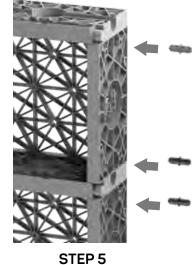
**STEP 4** Join module stacks together.



**STEP 3** Attach SIDE CONNECTOR PINS.

Channel Outlet







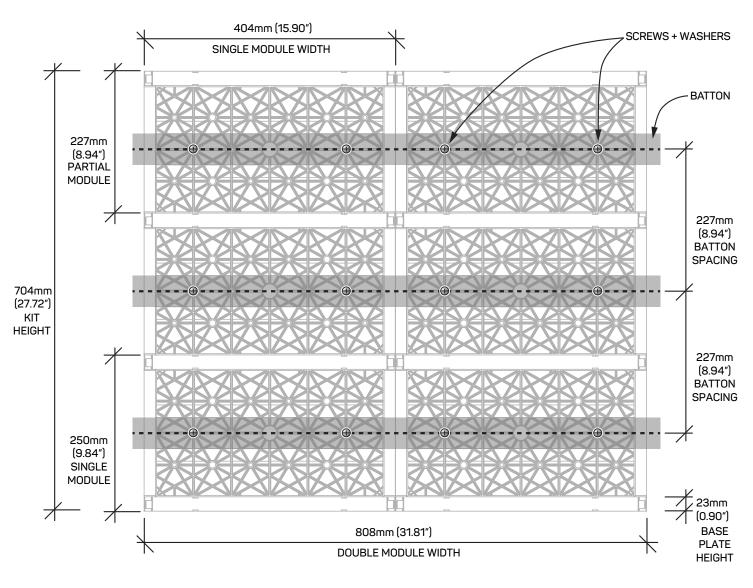
Completed assembly. Water will now drain from channel into the planter tray below.



## MODULE SIZE & WALL FIXING POSITION

Atlantis GRO-WALL® SLIM PRO dimensions for installation set out.

FIXING: Install 2 screws per module.



**NOTE:** Allow for tolerance when constructing large installations. Use a spirit level to install the Atlantis Gro-Wall® SLIM PRO Structure. A level installation is essential for the channel drainage to work effectively.

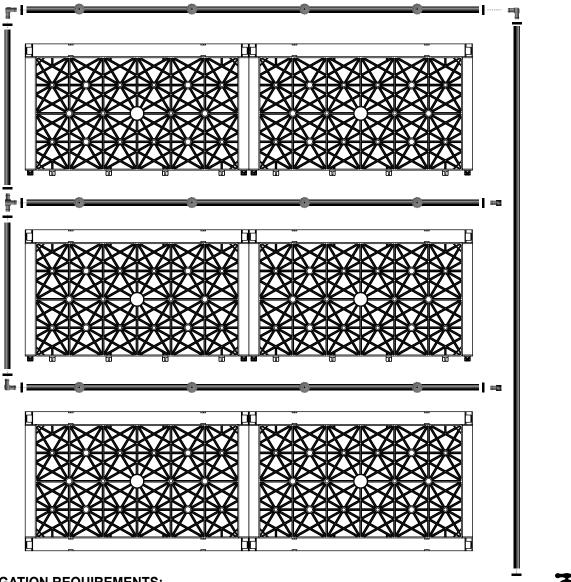




# TRADITIONAL IRRIGATION SYSTEM OVERVIEW

Atlantis Gro-Wall<sup>®</sup> features a built in provision called IPI<sup>™</sup> Individual Plant Irrigation. The IPI<sup>™</sup> system allows third party irrigation and drip emitters to be installed for each plant within the Atlantis Gro-Wall<sup>®</sup> structure. This system enables the caretaker to tailor the watering requirements to suit various environmental conditions, seasonal changes and plant species. Third party irrigation systems are not included in this kit.

## **TYPICAL IRRIGATION SETUP**

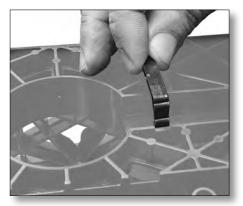


### IRRIGATION REQUIREMENTS: 6 Module Vertical, 2 Module Wide

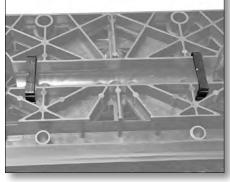
- 1 x Roll of Poly irrigation hose 13mm (0.5") diameter.
- 12 x Drip Emitters (Drip Nozzles) Fixed Flow Rate Maximum 2L/Hr
- 2 x Poly end cap connectors
- 1 x Poly T (3 way) connectors
- 3 x Poly 90° angle connectors
- 1 x Poly water tap connector
- 12 x Hose Clamps (poly or stainless steel)

**Note:** Depending on individual designs, the amount of irrigation requirements can change (end cap connectors, 3 way connectors & elbows)

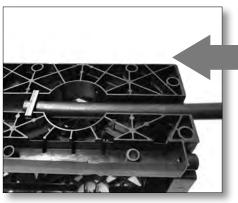
## **IRRIGATION INSTALLATION**



1. Click into place the INTERNAL IRRIGATION CLIPS to retain the irrigation pipe.



2. Continue to place the INTERNAL IRRIGATION CLIPS through out the installation.



3. Insert poly irrigation pipe along the length of each row of the installation.



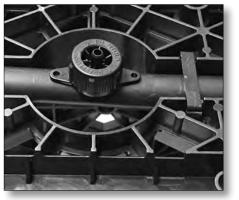
4. Puncture the poly pipe with a 4mm punch tool.



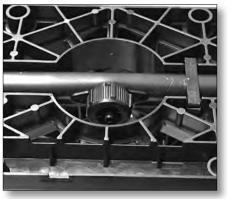
5. The poly pipe is now ready for the installation of Drip Emitter.



6. Install the Drip Emitter.



7. Install Drip Emitter through out the installation.

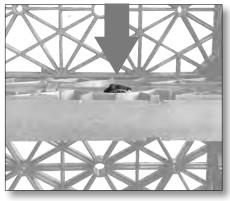


8. When all Drip Emitter are installed, rotate the poly pipe 90 degrees.

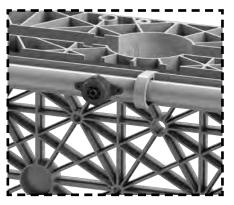


10. Complete installation of the remaining irrigation connections.





9. Correctly installed Drip Emitter sits flush with the base plate.



NOTE: OPTIONAL FRONT IRRIGATION CAN BE INSTALLED USING SUPPLIED FRONT IRRIGATION CLIPS.

## PLANTING



1. Place geotextile pad into the base of the planter tray.



3. Fill the planter tray with quality soil mix. (Terra-cotta Potting Mix Recommended)



2. Add soil mix to planter tray approximatley 6 Litres (13.2277 lb).



4. Carefully place plants angled towards the opening of the planter tray.



5. Completed planting. Planter trays are now ready to be inserted into the Atlantis Gro-Wall® SLIM PRO structure.





### Atlantis<sup>®</sup> Gro-Wall Slim Pro Kit

Part Number	80080
Material	85% Recycled PP, 15% Propriety Materials
Planter Tray Capacity	6 Litres (13.2277 lb)
Kit Width	808mm (31.81″)
Kit Height	704mm (27.72")
Kit Depth	165mm (6.49″)
Kit Area	0.56m² (6.02779 ft² )
Kit Weight	9.5 kg ( 20.9439 lb)
Weight m <sup>2</sup>   ft <sup>2</sup>	16.96 kg/m² (3.5 lb/ ft²)
Installed Kit Weight Kit + Plants + Soil + Irriga- tion	45.5kg / Kit ( 91 kg/m² ) 100.31 lb / Kit ( 16.64 lb/ft² )



404mm (15.90") SINGLE MODULE WIDTH Ó Ó 227mm (8.94") PARTIAL MODULE 0 0 Ň 704mm (27.72") KIT HEIGHT 0 0 250mm (9.84") SINGLE MODULE 808mm (31.81") Depth DOUBLE MODULE WIDTH

165mm (6.5'')

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