

HONEYCOMB

The modular green wall that makes you feel better

HONEYCOMB enables you to tailor beautiful, slim footprint living walls to any space. Design it yourself or let us do it for you.

At Pollen we thought a green wall should be a three hundred and sixty degree green experience, it needn't take up precious floor space and it should embody the energy and aesthetic of the busy, modern office. So we invented HONEYCOMB the only freestanding, slim footprint, green wall system that integrates plants, acoustic panels, whiteboards, lighting and shelving. This means you can reprogram your space to create semi permeable quiet spaces, control noise, get creative, or display your products at the same time as reaping the benefits of lots of plants that make everyone feel better. Happier people, greater productivity. Even the boss is happy.

HONEYCOMB embodies the busyness, connectivity and collaboration of the modern work environment, we hope you enjoy it as much as we do.

HONEYCOMB. Feel Better Work Better.

General

Connections; Floor, Wall, Suspension, Connection Details
Accessories; SOFTCELL, BRAINCELL, LIGHTCELL, SOLIDCELL

Indoor Use

Benefits

Acoustic
Health
Create
Lighting
Display
Privatise

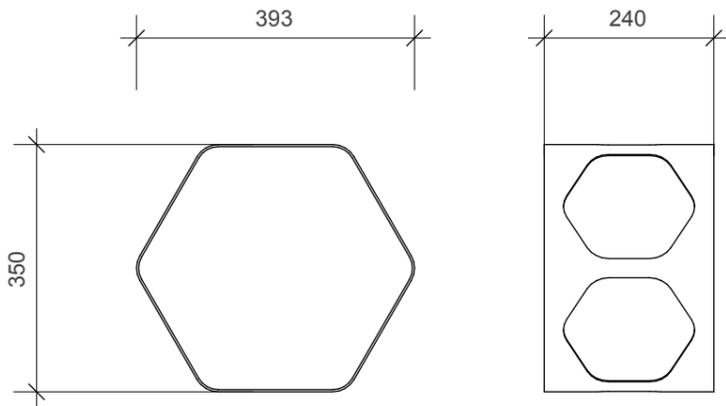
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Dimensions, Coverage & Assembly

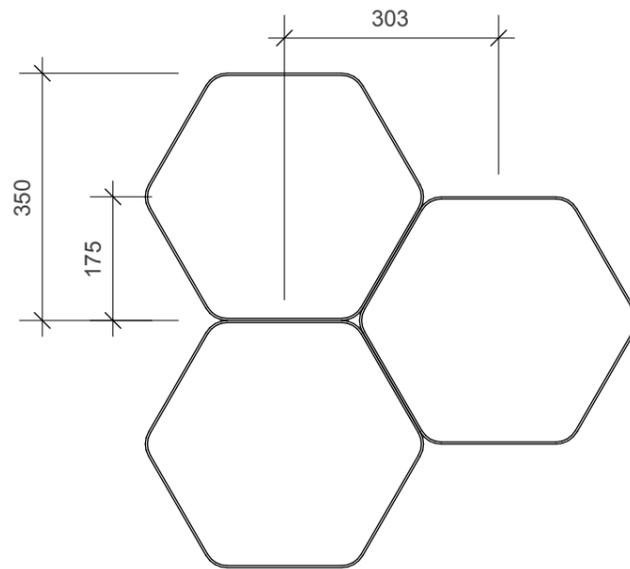
Here's what you need to start designing with HONEYCOMB.

Dimensions



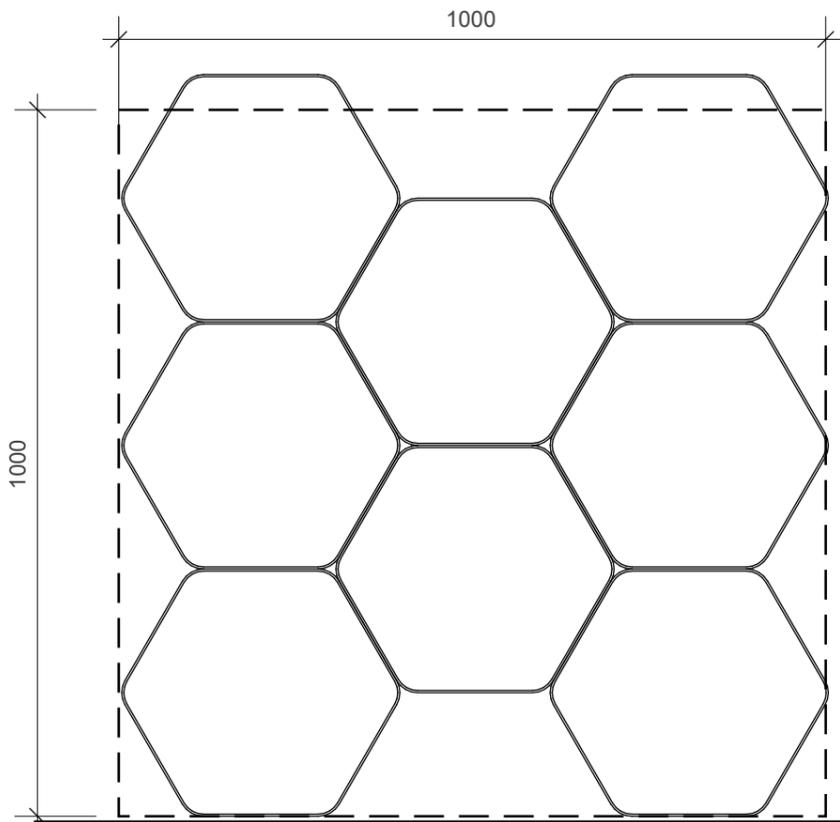
One HONEYCOMB cell measures 350h x 393w x 240d.

Modulation



Build arrays of HONEYCOMB by modulating the cell 350 vertically and 303 horizontally to ensure a perfect fit.

Coverage

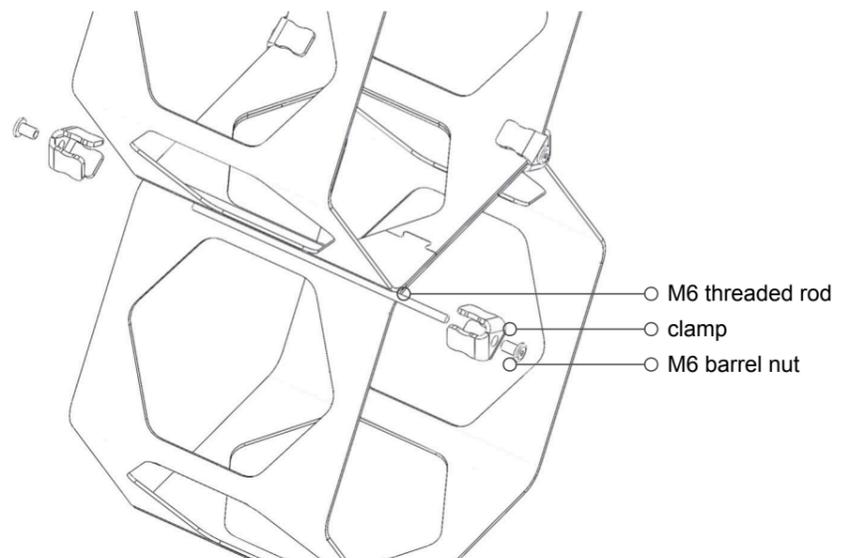


Depending on configuration and structural requirements between 7 & 9 Cells builds a square metre of HONEYCOMB.

Materials & Finishes

The HONEYCOMB cell and connectors are made from 3mm zinc treated steel. Fasteners are stainless steel. The system is available in most standard powder coat colours and premium finishes nickel chrome, copper and gold plate. For exterior applications we recommend Corten steel.

Assembly

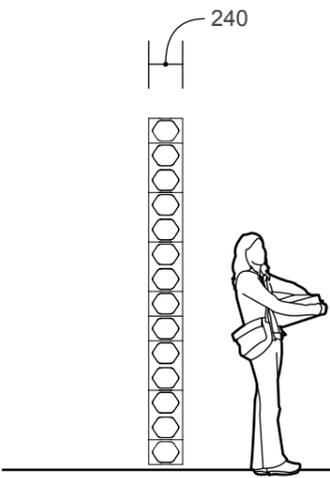


Join HONEYCOMB cells together with our simple, robust connector system. Each cell comes with 2 sets of connectors, enough to complete any typical array.

Benefits

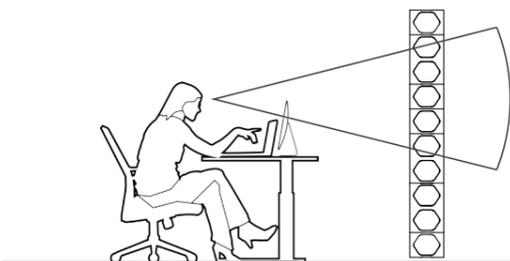
HONEYCOMB is a 360° green wall system that maximises the benefits of plants in commercial interiors, here's how.

Slim Footprint



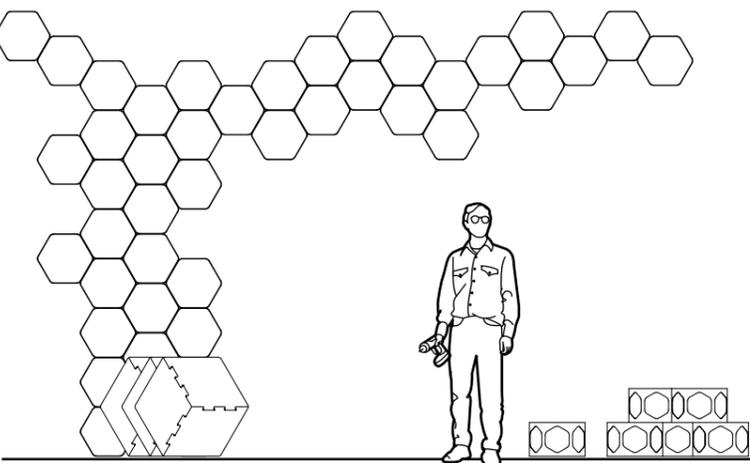
HONEYCOMBs' super slim footprint means a minimum of precious floor space is taken up whilst delivering great benefits.

Visibility



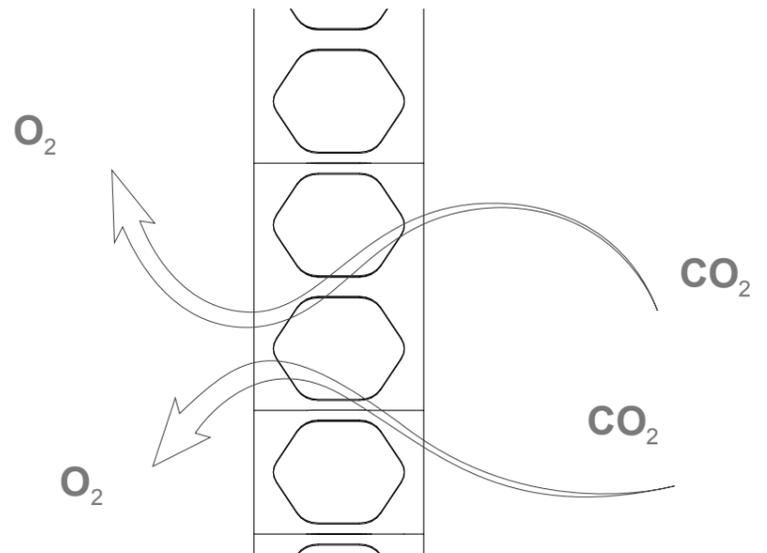
HONEYCOMB positions plants at the right height for maximum occupant benefit. An American study showed that concentration, perceived air quality and productivity was greater in employees who had direct view of plants*.

Versatility



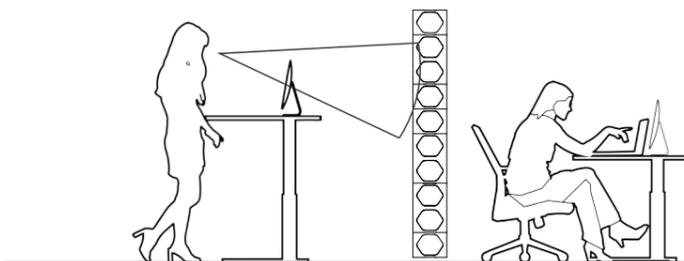
HONEYCOMBs' modular design means you can get creative and build a stunning greenwall unique to your space and needs. Then, when your needs change reconfigure it into an entirely new design. Add accessories and bring multiple office functions together in one system.

Oxygenation



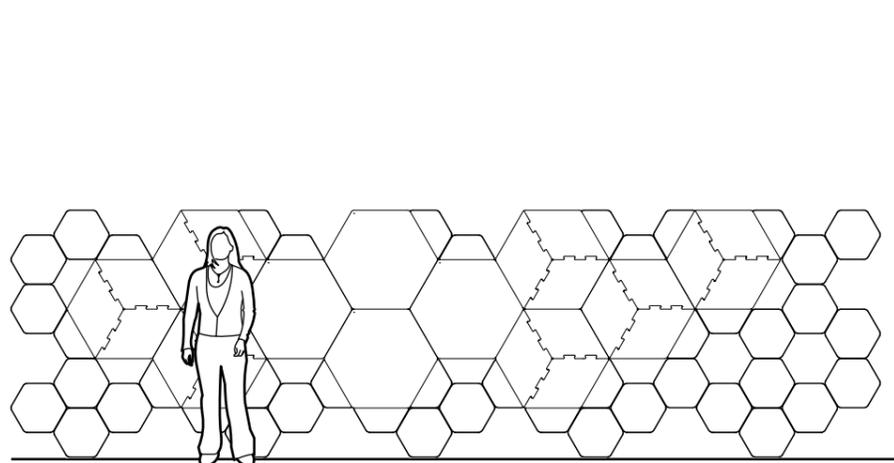
HONEYCOMB improves air quality. When planted with oxygenating plants, carbon dioxide is naturally converted to oxygen as air passes through the system.

Privacy & Permeability



Visual and acoustic screening greatly reduce distraction and improve worker concentration. HONEYCOMB provides both without inhibiting cross office observability.

Agility



HONEYCOMB brings together 5 office functions on one super slim footprint. All accessories are reconfigurable just like HONEYCOMB so the whole system can grow and evolve as your work place does.

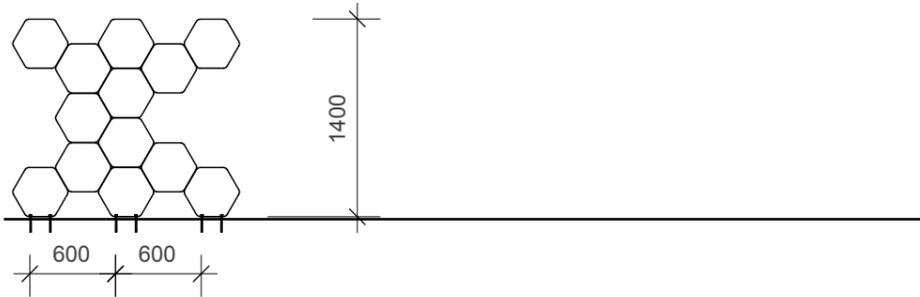
*The Relative Benefits of Green Versus Lean Office Space: Three Field Experiments
Journal of Experimental Psychology: Applied © 2014 American Psychological Association 2014, Vol. 20, No. 3, 199–214

HONEYCOMB Floor Mounted

Here's what you need to know to build HONEYCOMB off a concrete floor.

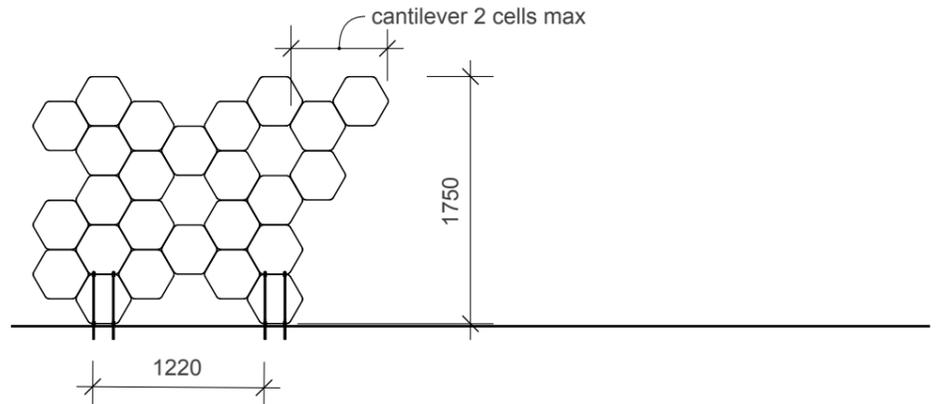
For other substrates and for ceiling connections please contact the Pollen office.

HONEYCOMB 4 Cells High



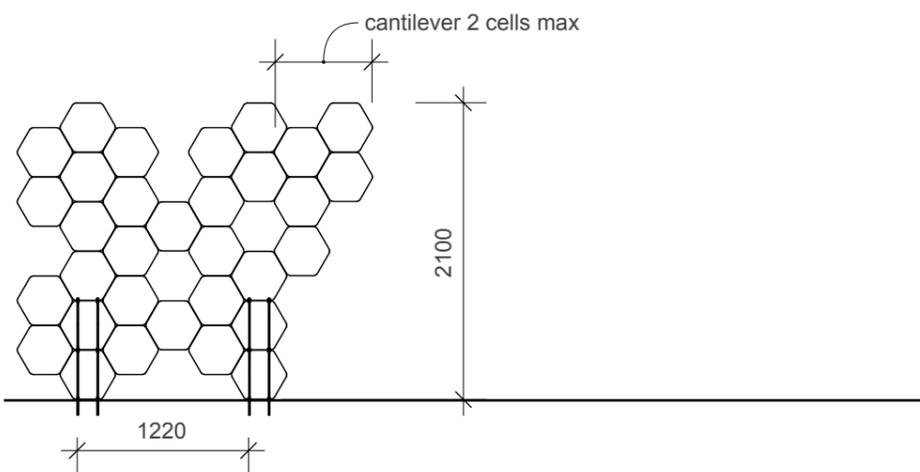
Floor mounted arrays of any length up to 1400 high use a standard bolt or screw set at 600mm centres max.

HONEYCOMB 5 Cells High



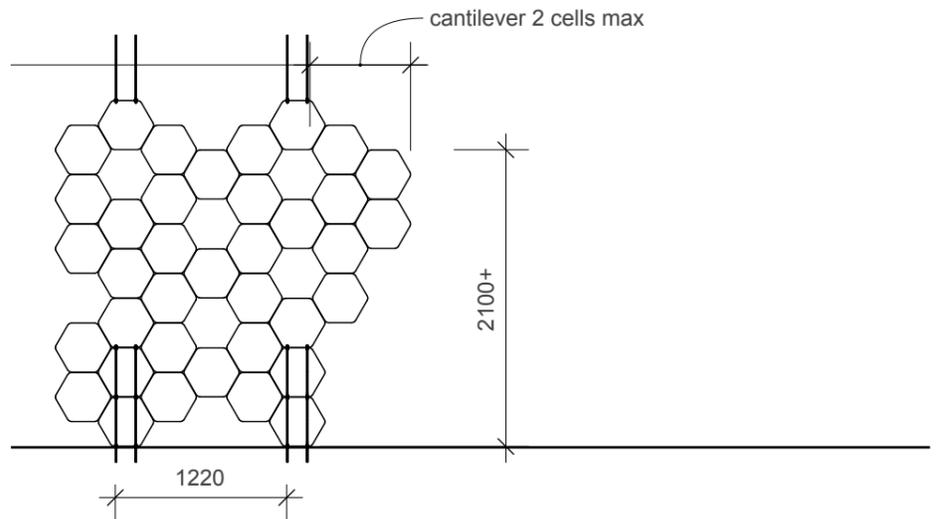
Floor mounted arrays of any length up to 1750 high use a single tier bolting set at 1220mm centres max. Bolts are set into substrate using epoxy adhesive.

HONEYCOMB 6 Cells High



Floor mounted arrays of any length up to 2100 high use a double tier bolting set at 1220mm centres max. Bolts are set into substrate using epoxy adhesive.

HONEYCOMB greater than 6 Cells High



Floor mounted arrays of any length higher than 2100mm use a double tier bolting set plus a suspension set at 1200mm centres max. Bolts are set into substrate using epoxy adhesive. Suspension connections vary depending on substrate.

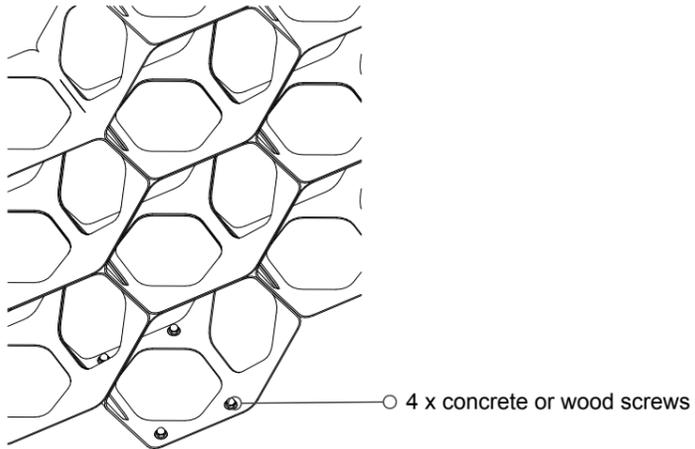
Hot Tip; Keep your installation cost down by keeping your height down. Ceiling connections can be expensive so unless you really need to, stay under the 2.1m threshold.

HONEYCOMB Floor Connections

Here's the 3 basic connection types for fixing HONEYCOMB to a concrete floor.

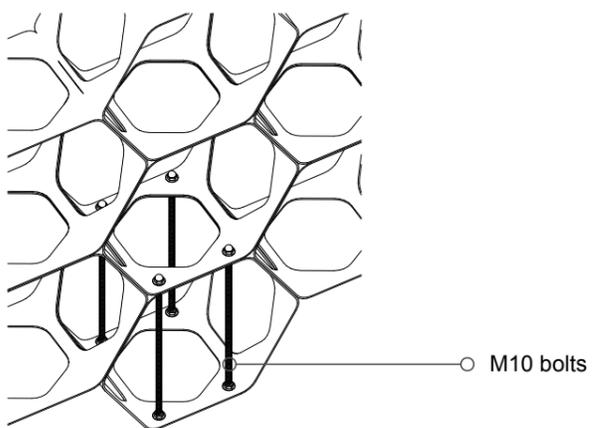
For other substrates and for ceiling connections please contact the Pollen office.

HONEYCOMB Standard Bolt Down



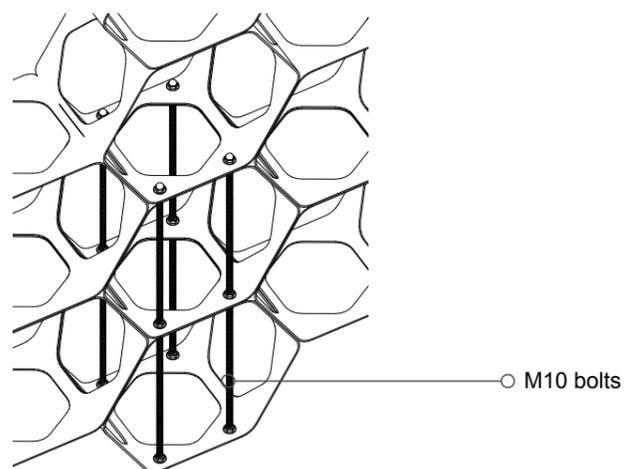
Standard bolting set made up of 4 x M10 bolts sets fixes HONEYCOMB directly to substrate.

HONEYCOMB Single Tier Bolting



Single Tier bolting set made up of 4 x M10 bolt sets penetrating through the first base layer of HONEYCOMB.

HONEYCOMB Double Tier



Double Tier bolting set made up of 4 x M10 bolt sets penetrating through the first 2 base layers of HONEYCOMB.

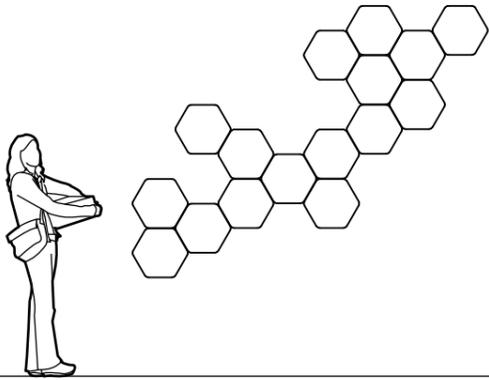
Note; Bolting can vary for specific engineering requirements. If your project requires engineers certificates please contact the Pollen office.

HONEYCOMB Wall Mounted

Here's what you need to build your HONEYCOMB off a timber or concrete wall.

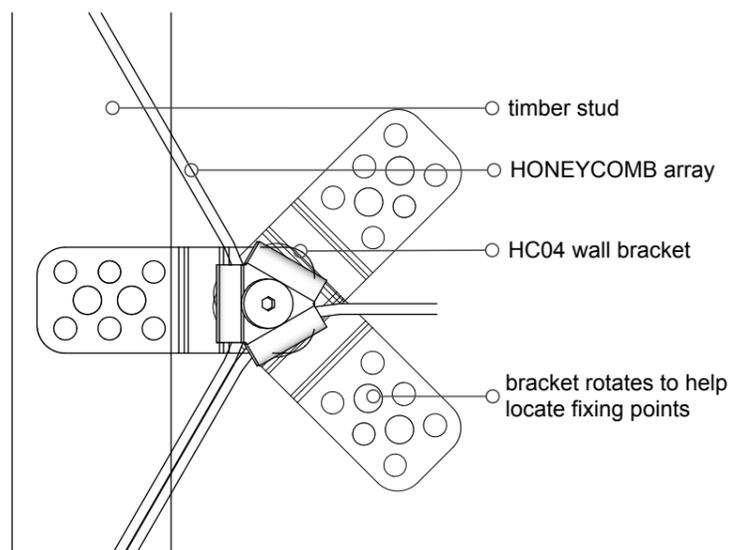
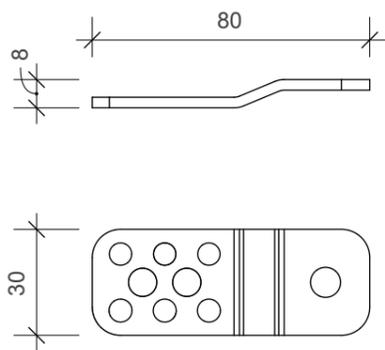
For timber frame walls specify studs at 300, 400 (400 preferred) or 600 centres when designing wall mounted installations.

Our system is robust, but relies on adequate substrate structures for all fixing types. For other substrates and for ceiling connections please contact the Pollen office.



Build large or small wall mounted HONEYCOMB arrays using Pollens' simple and strong wall mount bracket.

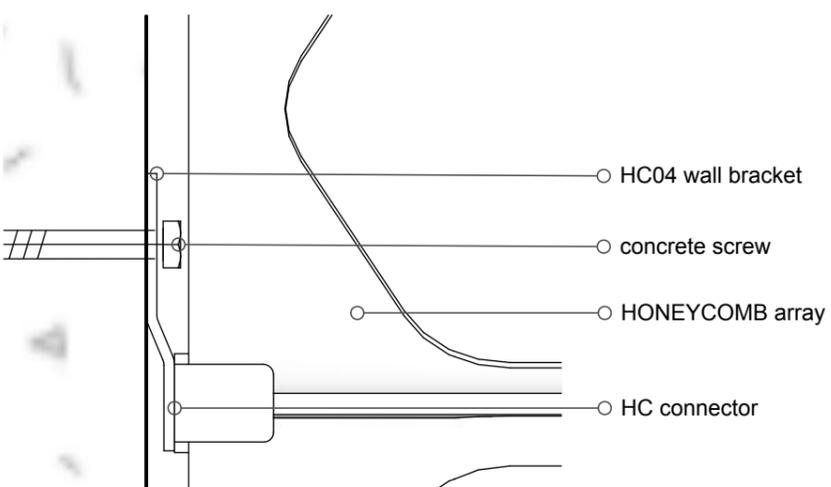
Wall bracket



Use HC04 wall bracket to face mount HONEYCOMB to walls. Allow 1 bracket per cell of your array.

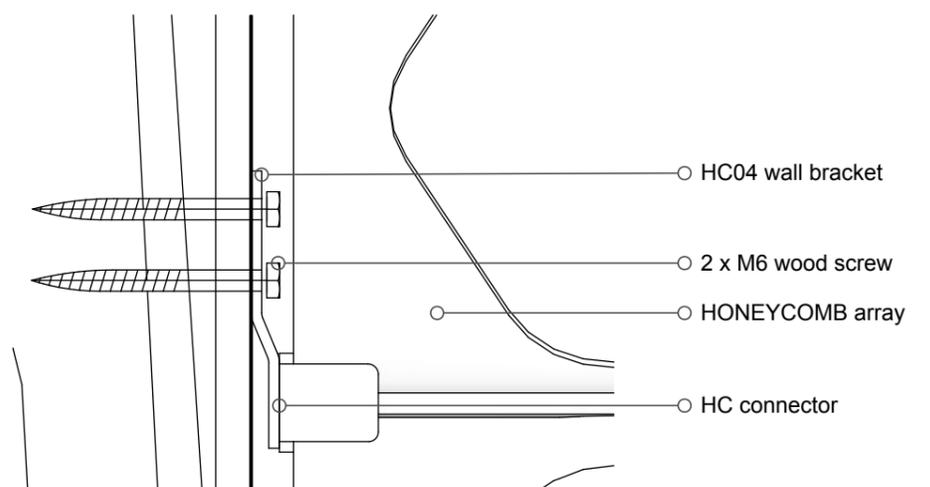
HC04 wall bracket fixes to the connector of the HONEYCOMB system, then either screws or bolts to the wall substrate. The bracket can be rotated enabling flexibility when finding studs.

Concrete walls



Wall mount to concrete substrate using a single M8 concrete screw

Timber walls



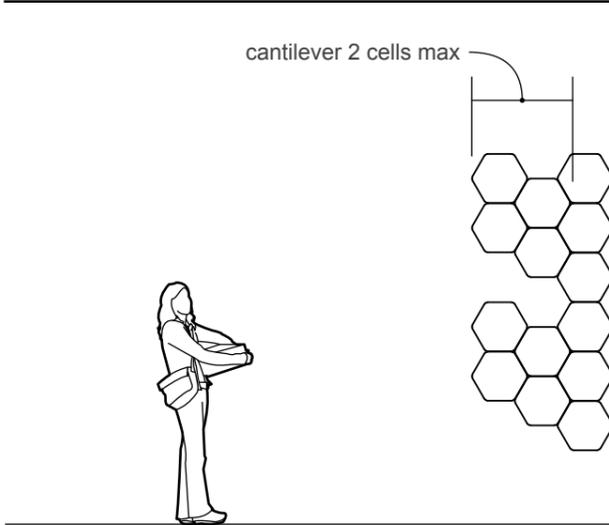
Wall mount to timber using 2 M6 wood screws. The HONEYCOMB system works with studs placed at 300, 400 and 600mm centres.

HONEYCOMB Edge Mounted

Here's what you need to edge mount your HONEYCOMB off a timber or concrete wall.

Our system is robust, but relies on adequate substrate structures for all fixing types.

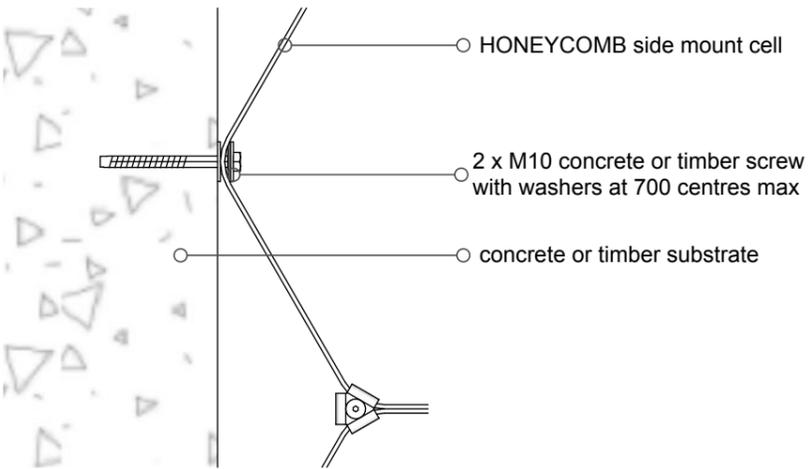
For other substrates and for ceiling connections please contact the Pollen office.



Build large or small HONEYCOMB arrays perpendicular to a wall by edge mounting.

If you want to cantilever greater than 3 cells from the wall you will need to add suspension connections, please contact the Pollen office for design help.

Edge Mount



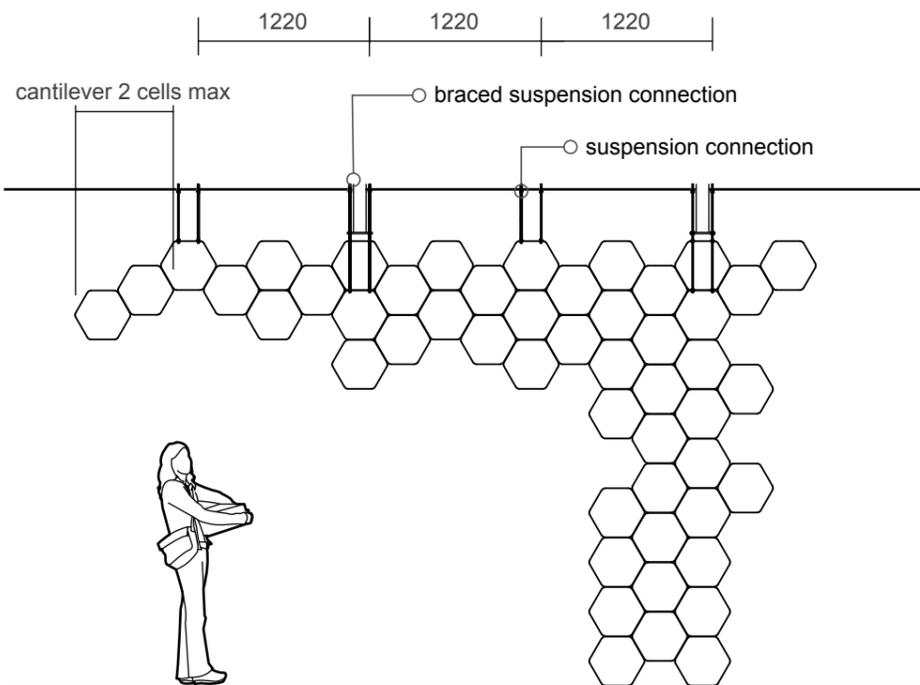
Contact the Pollen Office to order HONEYCOMB side mount cellsff

HONEYCOMB Suspension

Here are some guidelines to use when suspending a HONEYCOMB array.

Our system is robust, but relies on adequate substrate structures for all fixing types.

For other substrates and for ceiling connections please contact the Pollen office.

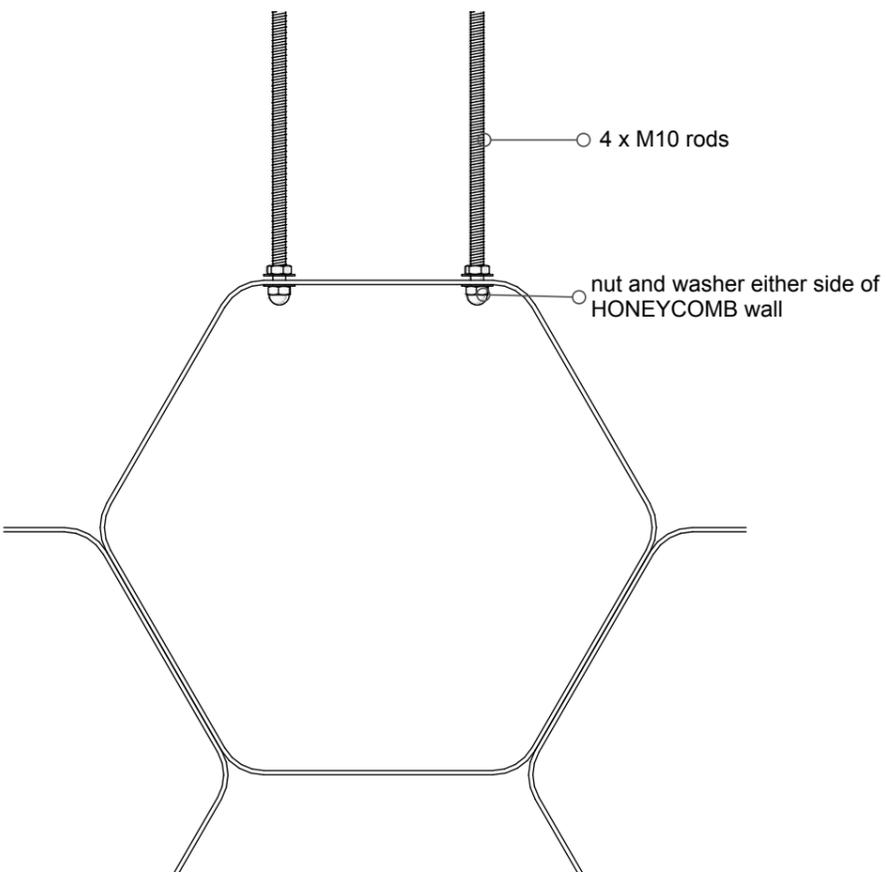


If you're designing a HONEYCOMB array that cantilevers greater than 2 cells from a fixed column of cells or is greater than 2.1m in height you may need to use suspension connections.

Below you'll find the 2 basic types of suspension connections and guidelines for their use. Often both types of connections will be used in a single suspended array.

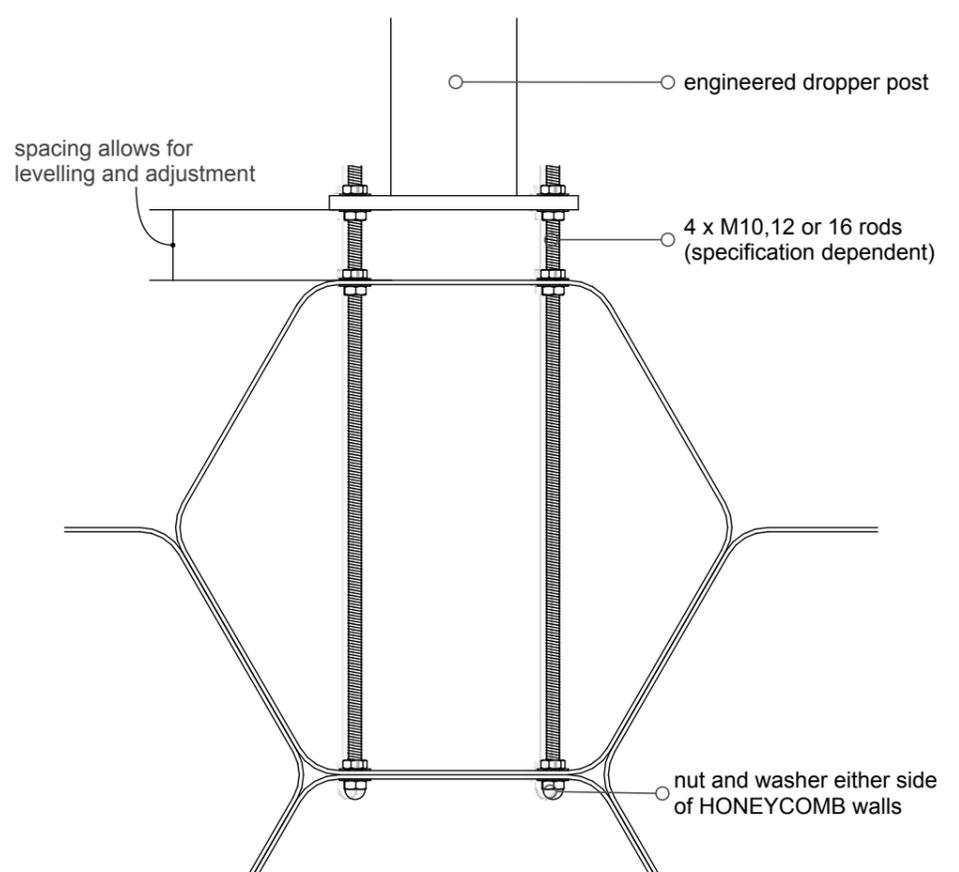
As substrates and engineering requirements vary, you'll need to discuss your project with the Pollen office.

Suspension Connection



4 M10 rods at 1220 centres drop from ceiling substrate to support vertical load of HONEYCOMB array.

Braced Suspension Connection

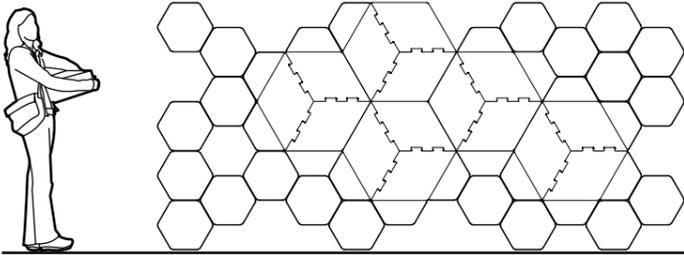


4 M10 (or greater) rods at 1220 centres bolt to designed/engineered dropper to support vertical and lateral loads of HONEYCOMB array. Single tier bolting is usually required of braced connections.

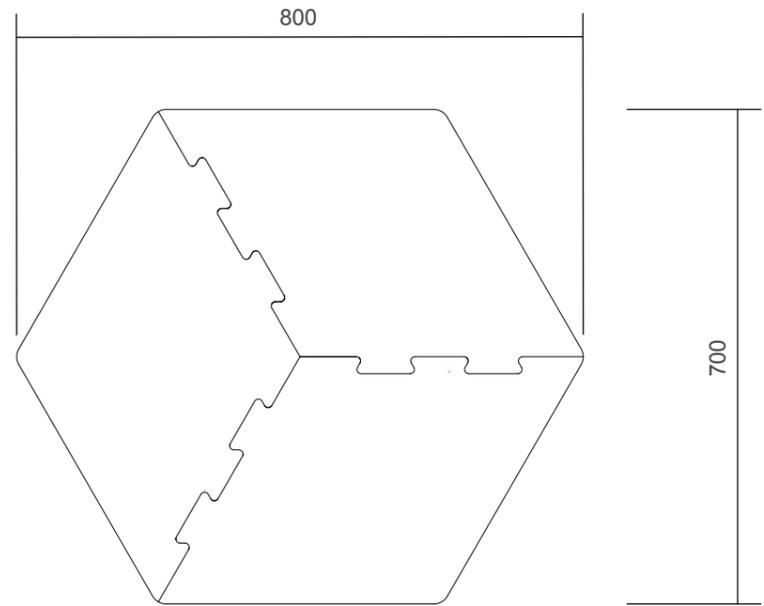
HONEYCOMB Accessories

Get the most from HONEYCOMB for your office by adding accessories

SOFTCELL Acoustic Panel

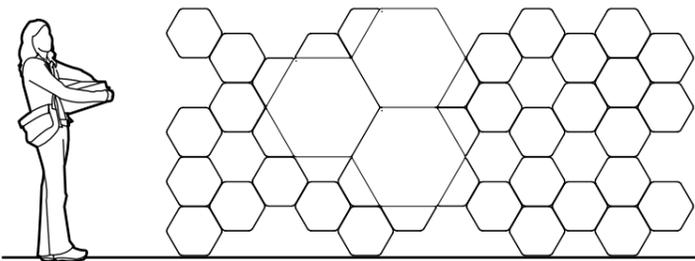


Use SOFTCELL acoustic panel to absorb and control unwanted sound transmission. SOFTCELL magnetises to HONEYCOMB so you can reconfigure it as your needs change.

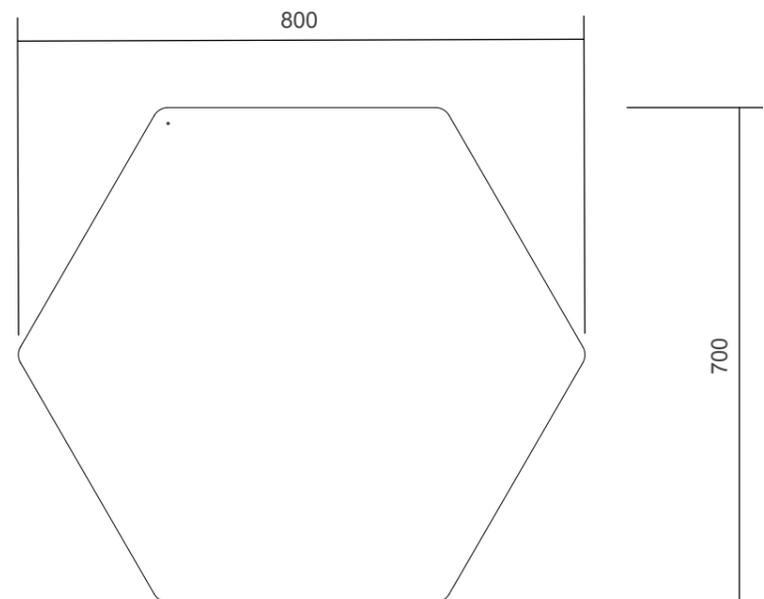


SOFTCELL is made from 12mm Autex Cube 60% recycled polypropylene felt. Each unit comes with 4 magnets that allow panels to be repositioned. Minimum order 5 panels per colour.

BRAINCELL White board



Get creative with BRAINCELL whiteboard. BRAINCELL magnetised to HONEYCOMB so you can reconfigure it as your needs change.



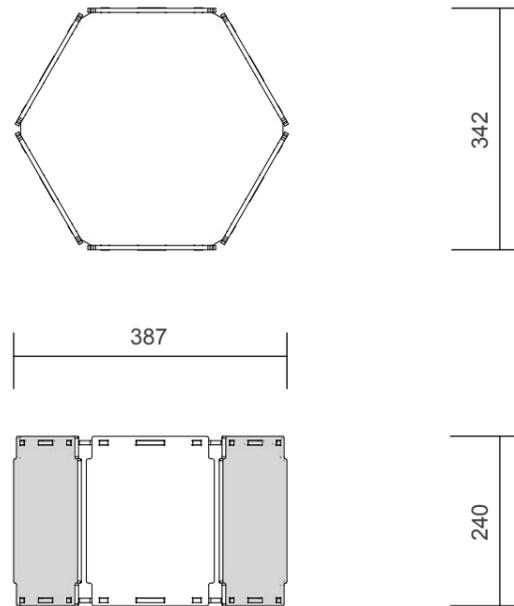
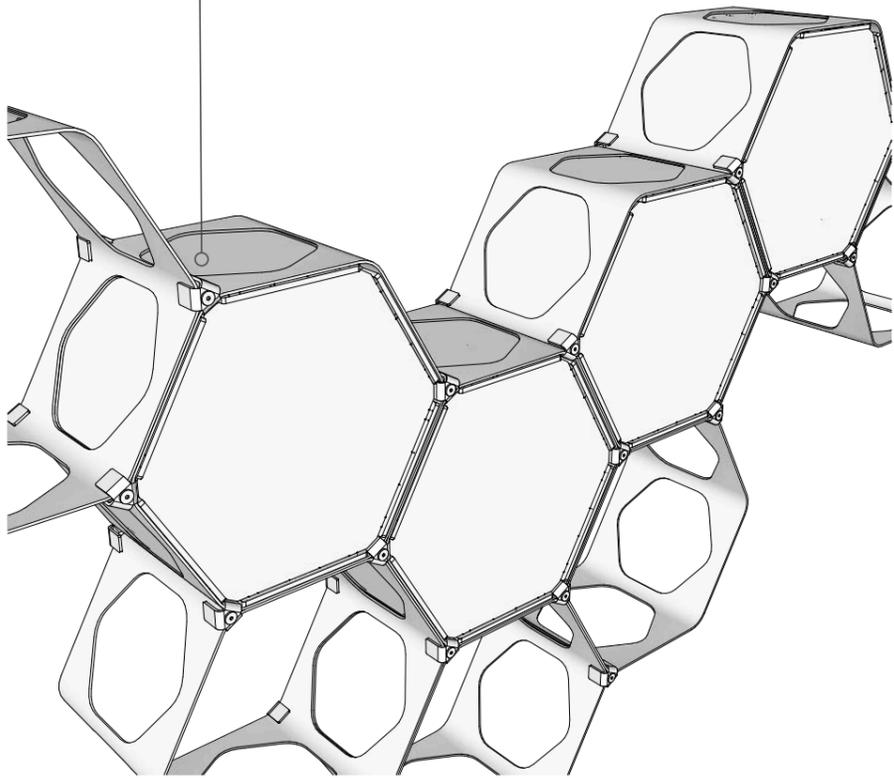
BRAINCELL is made from .75mm powder coated steel. Each unit comes with 5 magnets that allow panels to be repositioned. Minimum order 3 panels.

HONEYCOMB Accessories

Get the most from HONEYCOMB for your office by adding accessories

LIGHTCELL Lighting Cassette

LIGHTCELL fits inside the HONEYCOMB cell illuminating all apertures.



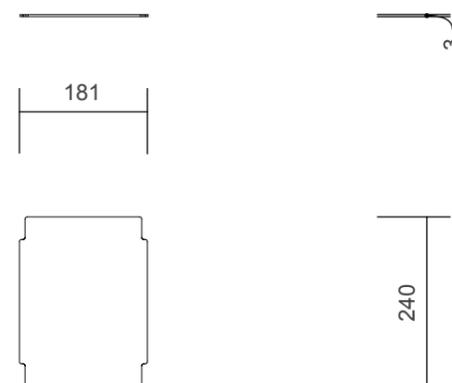
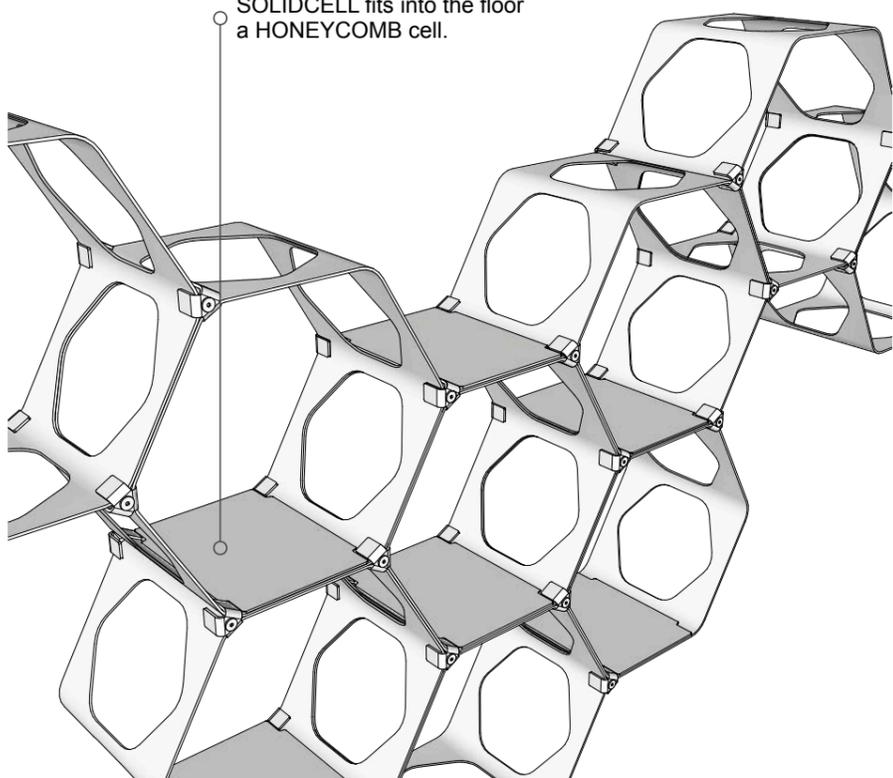
Add one or many LIGHTCELLs to maximise the impact of your HONEYCOMB then add vinyl graphics to create mood or deliver brand messages.

Hot tip; Cluster LIGHTCELLs in groups to keep wiring simple and discreet.

Fabricated in either 3 or 6mm translucent acrylic, LIGHTCELL fits inside any HONEYCOMB cell illuminating, front, rear, top, bottom and side openings. Available for exterior or interior applications LIGHTCELL uses integrated 12volt LED light source in warm white, cool white or RGB. Custom lighting specification available.

SOLID CELL Shelving

SOLIDCELL fits into the floor a HONEYCOMB cell.



Drop SOLIDCELL into your HONEYCOMB to create shelving and display opportunities for products or marketing material.

SOLIDCELL fits into the the floor of a HONEYCOMB cell and is made from powder coated 3mm steel.