

BLOCKS *for the* FUTURE

Blocks for the Future offer the opportunity to create high quality, sustainable structures using architectural building blocks made from a high quality engineered sand, consisting of processed coloured glass aggregates which produce on trend colours and textures that softly glisten. Available in finishes including smooth, exposed aggregate, refined and a highly polished mirror like finish.



Pearl ECO



Pewter ECO

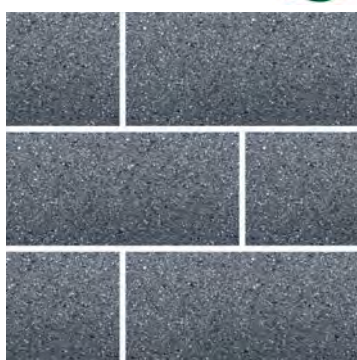
- Striking finishes
- Durable
- Design flexibility
- Cost competitive
- Greentag certified



Patent No.: 203206165



BLOCKS for the FUTURE COLOURS



Ebony ECO



Pearl ECO



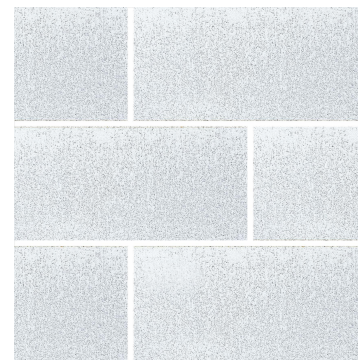
Pewter ECO



Mist ECO



Graphite



Pure White

BLOCKS for the FUTURE FINISHES

SMOOTH FINISH

SMOOTH FINISH products have a consistent ultra-smooth even texture with a unique finish that glistens in various light conditions.



Graphite

EXPOSED FINISH

EXPOSED FINISH products are treated after manufacture by shot blasting to create a distinctively unique appearance that exposes the aggregate on the block surface.



Pearl ECO

REFINED FINISH

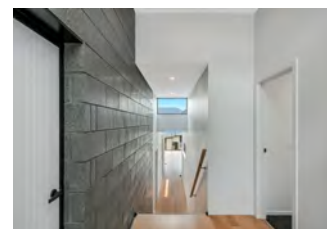
REFINED FINISH is the premium finish. The range boasts the highest end luxury created by diamond tipped polishing brushes that create a multitude of high-end surface finishes which showpiece the aggregates within.



Pearl ECO

POLISHED FINISH

POLISHED FINISH blocks are polished to 480 grit. Products pass through a state of the art grinding and polishing machine to achieve various mirror like surface finishes.



Ebony ECO

TECHNICAL INFORMATION

Manufacturing– All blocks are manufactured with a Tech Dry water repellent emulsion, this is blended throughout the block to ensure longevity of colour, provide extra water resistance, and assist efflorescence prevention. All blocks are made to the requirements of AS 4456.

Mortar- A Tech Dry (TECH-DRYAD) mortar additive is recommended. 20 litres of mortar additive mixed at 300 ml to 4 parts sand and 1 part cement per instructions. A 20-litre drum will lay approx. 1000 Blocks. Mortar should be mixed in accordance with AS 3700. Oxide colouring is available if required.

Control Joints- Extend the full height of a wall, max distance of 6 metres for unreinforced masonry per AS 3700.

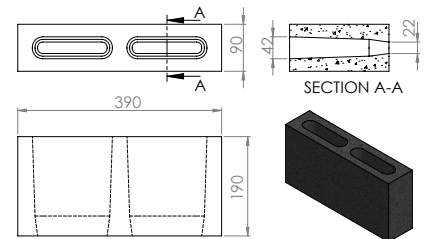
Joint Reinforcement- Masonry mesh is recommended at max height spacings of 600mm, additionally in the two courses below and above all openings.

Jointing Method- a rolled ironed finish is recommended, the ironing method compresses the mortar ensuring a more durable mortar which improves the bond between the mortar and blocks.

Core fill- The concrete core fill used to fill the block cores should be 20MPa strength, 180mm slump with maximum aggregate size no greater than 10mm, compliant with AS 3700.

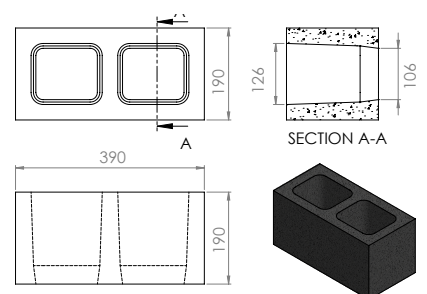
TECHNICAL DATA: 90mm Series "10.01"

Unconfined Compressive Strength:	> 15 MPa
Material Density:	2150 Kg/m ³
Average Dry Mass:	11100 g, 11.1 kg
Equivalent Wall Thickness:	65 mm
F.R.L. (Fire): Structural Adequacy / Insulation / Integrity	90/ 90 / 90
Sound Insulation Rating:	Hollow 90mm Block 40 R _w
	Solid 90mm Block 44 R _w



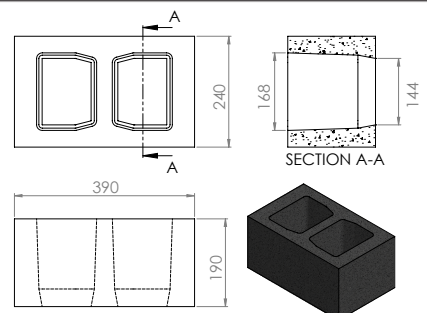
TECHNICAL DATA: 190mm Series "20.01"

Unconfined Compressive Strength:	> 15 MPa
Material Density:	2150 Kg/m ³
Average Dry Mass:	17240 g, 17.2 kg
Equivalent Wall Thickness:	107 mm
F.R.L. (Fire): Structural Adequacy / Insulation / Integrity	90 / 90 / 90
Sound Insulation Rating:	Hollow 190mm Block 50 R _w
	Solid 190mm Block 55 R _w



TECHNICAL DATA: 240mm Series "25.01"

Unconfined Compressive Strength:	> 15 MPa
Material Density:	2150 Kg/m ³
Average Dry Mass:	22900 g, 22.9 kg
Equivalent Wall Thickness:	143 mm
F.R.L. (Fire): Structural Adequacy / Insulation / Integrity	120/ 120 / 120
Sound Insulation Rating:	Hollow 240mm Block 50 R _w
	Solid 240mm Block 55 R _w



View the Island Block & Paving Acoustic & Fire technical Manual @ islandblock.com.au/technical/building-blocks-technical/

* Deemed to comply with AS3700 per CMAA MA55 design manual

Working Dimensions AS 4455.1 2008: + or - 2mm Dimensional Tolerance Recommended Mortar per AS2758.1:

CONSTRUCTION TIPS

Site Control- Blocks should be always covered to keep dry before laying. Partially built walls left uncovered during rain, allow rainwater to enter block cavities and may cause staining of the block surface.

Laying- Ensure that perpenders are buttered on each side with a void in the middle. The mortar joints should be well ironed to provide a tight sealed joint. Care should be taken to lay the bricks or blocks as cleanly as practical, the cleaner the wall the easier any subsequent cleaning will become. Mortar colour and the type of joint selected will impact on how clean the wall can be kept during laying. Clean periodically through the laying day using a sponge or brush (soft haired broom or nylon brush). Spot Clean the next laying day (if required) any remaining mortar stains with a brush and clean water.

Covering up- Always cover up any freshly laid blockwork at the end of a laying day if it is susceptible to wet weather or during the winter months. **Don't allow freshly laid blockwork or core filled blocks to get wet.** Cement based mortar and/or core filled concrete takes 28 days to cure. If the mortar and/or block and/or concrete core filled wall gets wet during the (cement hydration) curing phase over 28 days, the wall will be susceptible to staining such as efflorescence and calcium carbonate.

- * Cover any new work with corflute or plastic along the top of the wall, it's very simple but effective.
- * Use TechDryad mortar additive to ensure water repellent mortar.

Note: Efflorescence is not a manufacturing fault, and no warranty or consequential damages are accepted by the manufacturer.

Retaining Walls- Make sure the mortar at the rear of the wall is ironed to provide a tight seal, this will remove voids and provide an even surface for waterproof membrane (bitumastic paint) to waterproof the blocks. Ensure the wall is backfilled with free draining material e.g. blue metal, and any surface water drains away from the top, behind the wall. Failing to divert water away from the finished blockwork will cause long term staining. When core filling the blocks with concrete, ensure that the blocks are full to the top, free of any voids. A capping block should be laid on a full bed of mortar to fully seal off the top of the wall using Tech Dryad water repellent mortar. This will help to stop water soaking down into the blockwork and potentially causing staining.

Ordering- Products are manufactured from natural aggregates and can vary in colour and texture from batch to batch. Order the total project quantity, allowing for wastage at the onetime, this ensures that they are supplied from the same production run. Blocks should always be blended from different pallets to ensure an even spread of colour.

Claims- All product must be inspected prior to installation to ensure satisfaction of colour and texture. No claims will be accepted once product has been installed.

Cleaning- Per Island Block & Paving Recommended Cleaning and Laying guide



 [VIEW HERE](#)

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