

Eco Blocks for professional builders



Eco Blocks are high quality, cost-effective indestructible blocks internationally used in all types of structures – from residential, commercial, military to educational, government and other secured facilities e.g., warehouses. They are an exceptional solution for purpose-built security structures including Jersey barriers, blast blockers, and super-reinforced buildings by threading horizontal steel bars through pre-fabricated conduit blocks. Eco Blocks, manufactured using environmentally-friendly techniques, are ready-to-use finished products. The current range, all 115mm height are:

1. Conduit block: 220mm
2. Coping block
3. Standard block: 140mm or 220mm
4. Curved blocks: available on special order



Why professional architects and builders use Eco Blocks

To develop and sustain a strong reputation to win the best contracts, construction industry professionals know they need to deliver an excellent product within budget and on time. Eco Blocks meets all three and more:

1. Efficient build time

Eco Blocks is an alternative to standard red clay bricks and cement blocks. Eco Blocks' dry construction method means blocks inter-connect with each other, like assembling Lego™. As masons (specialized bricklayers) are not required, a wider worker pool can be accessed – three people can build ~800 sq. ft. in 8 hours.

No concrete columns, nor mortar between blocks are required above DPC foundation layer. For external and boundary walls, less than half of the columns are required while no reinforced columns are needed for multi-storey constructions of up to three floors.

As wall construction is faster by up to 66% than conventional bricks, you can:

- improve client satisfaction as end users are less inconvenienced from longer build times and have early access to their facilities, making their investment yield a return earlier
- increase workload during the same timeframe thereby improving cashflow from early payments and from more projects.

2. Quality product

Eco Blocks are finished products, unlike bricks which need to be processed e.g., plastering.

Eco Blocks are robust and durable and are among the strongest in Pakistan at 10+ MPa or 1700 Psi with a lateral strength of 70 Psi - specifications can be tailored on request. Other attributes, making them suitable for LEED™-accredited buildings include:

- blast-resistant – needs more cement content
- bullet-proof – armour-piercing grade
- earthquake-resistant – up to Richter scale 7
- water-absorption – 12% by volume versus 20% for red clay bricks
- self-insulated – three times better than cement blocks and twice for red clay bricks
- windproof – up to 140 km/hour
- soundproof – as they are solid

Eco Blocks are delivered on purpose-built pallets, ready-to-use.



3. Excellent value

Eco Blocks are a fast, cheap quality solution with major savings from:

- manpower time and costs, by eliminating mortaring and plastering activities, thereby requiring fewer higher-paid masons
- material costs, such as mortar between blocks, and water in plastering
- column costs, as less than half are needed in boundary walls, and none for three-storey buildings.
- 90% of Eco Blocks can be reused from completed structures, if planned accordingly.

Pakistan projects

Educational institutes

A Lahore private secondary school needed to build new premises in 30 calendar days. The 15,000 square foot, two-storey school completed on time and within budget, primarily by savings in construction materials, and workers who benefitted from Eco Blocks dry assembly method.



The project's challenge was there could be absolutely no delays in wall construction as the internal fit out could not otherwise commence. The school's management team was delighted with the beautiful aesthetically pleasing finish.

Buildings for multinationals and major corporates

One of Pakistan's largest construction companies, headquartered in Lahore, needed a secure and durable 40,000 square foot training institute. Based on their market expertise of construction materials, they selected Eco Blocks as the best solution.



Protecting military assets

Pakistan's army chose Eco Blocks in several military installations across the country, including the FWO wall in Rawalpindi. From many available local and international materials options, Eco Blocks were the best bullet-proof and blast-proof solution.

Secure boundary walls to protect private homes

In numerous private farmhouses and homes, Eco Blocks were used in boundary walls because of the quick construction time and cost savings of up to 33% over traditional materials and labour requirements.

Contact

For a free, no-obligation consultation to discuss your unique requirements, please make an appointment at:

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