

# Eco Blocks

quick dry construction

eco enterprises limited



[www.ecobricks.com.pk](http://www.ecobricks.com.pk)

# Eco Blocks

**Eco Blocks** are high quality, cost-effective indestructible construction blocks used internationally in all structures – from residential, commercial, military and educational, to government and secured facilities, such as warehouses and HESCO walls.

**Eco Blocks** are ready-to-use finished products made using environmentally-friendly techniques. Size-wise, one **Eco Block** equals 3.5 red clay bricks, and each square foot contains 3.2 **Eco Blocks**.

	Circular Corner	Conduit	Standard
w	220mm or 8.5"		140mm /5.5"
h	115mm or 4.5"		
l	240mm or 9.5"		



## 1. Premium quality

**Eco Blocks** are among Pakistan's strongest construction red clay brick and cement block alternative, with a standard compressive strength of **1700 Psi** and a lateral strength of **70 Psi** versus **10 Psi** for bricks and cement blocks – specifications adjustable.

Eco Blocks' conduit range stacked and ready for delivery

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With robust, durable and resilient features, **Eco Blocks** are suitable for LEED™-accredited buildings:

- armour-piercing
- water-resistant
- self-insulated
- blast-resistant
- bullet-proof
- soundproof
- windproof
- earthquake-resistant

**Eco Blocks** are quality finished products and ready-to-use. They are strapped securely onto pallets to protect them from damage and theft for delivery. This packaging also enables easy loading onto trucks.

**Eco Blocks** being prepared for shipment



## 2. Versatile solution

**Eco Blocks** can substitute for clay bricks and cement blocks in all structures but do not require reinforced columns for buildings of up to three floors.

**Eco Blocks** can be used in a variety of designs and layouts



## Sample projects

- Boundary walls
- Bunkers
- Corporate and commercial facilities
- Earthquake-resistant builds
- Extensions for existing
- Foundations
- HESCO barrier
- In-fills
- Power plant
- Low cost housing
- Retaining walls
- Training facilities
- Guard posts
- Homes
- Stables
- Warehouses
- Schools
- Sound studio

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.

## 3. Efficient construction

Build by simply 'locking' **Eco Blocks** – like Lego™ – on four sides and so eliminate mortar between blocks above DPC level, thereby reducing final construction time of structures by up to 80% compared with traditional methods.



## 4. Excellent value

**Eco Blocks** guarantee to be a faster, cheaper and high quality solution compared with red bricks and cement blocks\* with savings from:

- manpower time, by eliminating mortar and plaster tasks, thereby requiring fewer highly-paid bricklayers
- material costs, such as mortar between bricks, and plaster if **Eco Blocks** is used as a final product, resulting in cost savings of up to 70 per cent of those materials
- pillar costs, half or less needed for boundary walls, and no columns for multi-storey buildings of up to three floors



*\* Based on ex-factory price as transportation costs vary by location.*

A significant additional benefit is that up to 90% of **Eco Blocks** can be reusable from built structures, if planned accordingly.

Eco Blocks are Pakistan's greenest construction block

Eco Blocks' curation process does not use a burning process that would damage the environment by emitting pollutants. Eco Blocks emits up to 75% less carbon dioxide as compared with clay bricks.

## Projects in Pakistan

### Safe educational institutes

A private Lahore secondary school needed to build 15,000 square foot, two-storey premises in 30 days. The project completed schedule and within budget primarily from **Eco Blocks'** quick dry construction method which saved materials and labour costs and as the critical path, ensured internal fit-out started on time. The school's management team was also delighted with the beautiful finish.



In December 2014, following the Peshawar school attack, the Pakistan government enhanced security requirements for boundary walls for all educational facilities.

- A private Islamabad school urgently needed to extend existing boundary walls by an average of four feet high along a 350 foot back wall. By using **Eco Blocks**, the construction was completed within four days compared to a red brick solution. **Eco Blocks** was 15% cheaper and took 21 days less (~85% time savings).



## Faster than bricks

"With a limited budget and a varying boundary wall height on all sides of the school, we needed to urgently comply with new government standards. Eco enterprises exceeded our expectations – they were professional, flexible and exceptionally fast. The Director visited daily to ensure all work completed as requested. **Eco Blocks** looked significantly nicer than bricks. We highly recommend the product and the team."

Mrs. Qureshi  
Founder and  
Principal  
International  
Grammar School,  
Islamabad

- A Lahore university needed a new boundary wall measuring 2,200 feet long and 8 feet high, with pillars every 20 feet, using the best quality materials. The construction took only 9 days using 16 workers.



## Quality corporate facilities

One of Pakistan's largest engineering company's Lahore headquarters needed a secure and durable 60,000 square foot training institute. Based on their market expertise of construction materials, they selected **Eco Blocks** as the best solution.





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## Protected military assets

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

## Secure and quality private homes

In private farmhouses and homes, **Eco Blocks** were used because of the quick construction time and cost savings of up to 33% compared with red bricks. **Eco Blocks** are perfect for special purpose extensions: a client built a music studio designed with 1,500 square foot walling and was pleased by the speedy construction, and excellent self-insulation and soundproof qualities.

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## Contact us

Since 2008, our aim has been to source and produce innovative, high quality and cost-efficient materials at international standards, to support building Pakistan's skyline. As an ethical employer, we do not employ bonded labour.

**Call or email now for a free consult and quote** for your project or for more info on **Eco Blocks**:

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