



Introduction

LEGO Precast Concrete is a part of the energetic and dynamic BHATIA group of Dubai with interests in Real-estate and Property Development, Contracting, Hospitality, Manufacturing and others.

Our parent group has successfully completed, over several decades, major projects for the Dubai Municipality, Sheikh Mohammed bin Rashid Housing, other Government agencies and leading clients from the private sector.

LEGO is manned by some highly experienced professionals with extensive experience in the precast concrete industry in the UAE. The production facilities are located at Technopark, Dubai.

We offer complete services from Design, Production and Erection/Installation at site. Our products offer excellent value-for-money and are designed to provide years of hassle-free performance.

LEGO precast concrete products are accurately and consistently produced to Contemporary Industry-Standards. Concrete mixes with characteristic compressive strength of up-to 60 N/sq.mm are offered depending upon the application.

Our current range of products includes:

- Wall panels
- Boundary-walls and retaining walls
- TT slab flooring
- Underground water tanks
- Complete structures
- Columns and crane-beams for industrial sheds
- Man-hole system
- Pipes for micro-tunnelling
- Domes

We can also customise our products to suit your particular requirements.

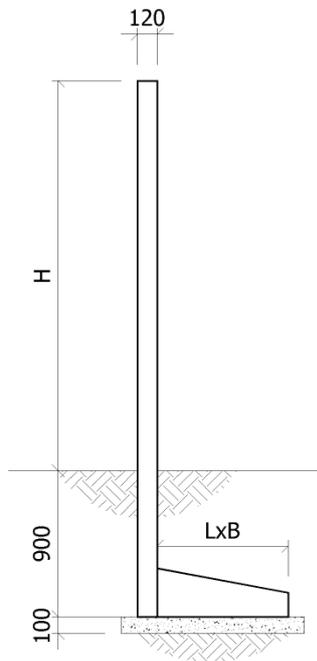
Our technical staff would be glad to discuss value-engineered and durable solutions in precast concrete.

Boundary Walls

LEGO Precast concrete boundary walls come in a wide variety of shapes, sizes and textures, offering a truly wide choice to client's requirement.

Design Assumptions

- The precast concrete elements for the boundary wall are produced in typical lengths of 6 metres.
- Typical grade of concrete is C35 (35 N/mm²) as per BS 8110.
- The elements extend upwards from a depth of 900 mm below ground level.
- The weight of the soil above the footings and adjacent to the faces of the wall are assumed to resist overturning. Adequate compaction of soil in these locations is therefore necessary.
- Should there be a significant difference between the ground levels on the two sides of the boundary wall then the boundary wall can be designed to function additionally as a retaining wall, this to any height difference.



Typical Dimensions				
H mm	2250	2500	2750	3000
LxB mm	800x800	900x900	1000x1000	1100x1100

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We can manufacture boundary walls / retaining walls to suit your particular requirements, as well. Tens of kilometres of high quality precast boundary walls produced and erected by us since many years have continued to provide reliable service, at several locations in the emirate of Dubai.

Features

- Our Boundary walls can be designed with eccentric footings or concentric footings.
- Boundary walls with eccentric footings can be erected with the external face right along the property-line, thereby maximising internal space of site.
- We have a wide range of standard designs but customised designs with decorative features, logos and columns to suit client-requirements are also executed.
- Our boundary walls are capable of being erected very quickly causing minimal disruption to site activities.
- Various surface finishes are available with exposed aggregate texture.
- We can offer the boundary wall designed to perform as a retaining wall if required.
- Accurate, consistent, reproductions of architectural features are a consequence of our production process.

