



PRESTRESS VS BEAM AND BLOCK: WHY ECHO IS THE PREFERRED ALTERNATIVE

Choosing the right flooring system can significantly impact both your project's budget and timeline. At Echo Prestress, we specialise in innovative precast solutions designed to outperform traditional beam and block systems—not just in strength and reliability but also in cost-efficiency. View the cost comparison below.

ECHO PRESTRESS

The Prestress price INCLUDES the following:

- A detailed layout drawing.
- Design and Engineer's certificate.
- A site visit to confirm access, readiness and "conformity".
- "As built" site dimensions are checked.
- Manufacture of panels to suit "as built" dimensions.
- Delivery to site
- Installation by means of a mobile crane.
- Lining and levelling of the panels.
- Grouting between the longitudinal joints of the panels.
- Structural beams required to support the slab over openings in load bearing walls.

The Prestress price EXCLUDES the following:

- The river sand and cement for the grout required between longitudinal joints.
- 40mm screed (river sand and cement screed).
- Finishing of ceiling joints and paint.

BEAM & BLOCK

The beam and block price INCLUDES the following:

- A detailed layout drawing.
- Design and Engineer's certificate.
- Delivery to site of materials which are supplied according to the dimensions given on the architect's drawing.

This means the following extra steps have to be completed:

- Carry and install heavy materials manually.
- Hire and place shuttering for beams and in-situ areas.
- Hire and place the props for slabs, beam and in-situ areas.
- Place the reinforcing and mesh according to Engineer's design.
- Arrange for the Engineer to check the accuracy and stability of installation.
- Calculate the cubic meters of concrete required, order ready mix or site-mix concrete. All according to the concrete design strength specified by the Engineer.
- Hire a concrete pump.
- Pump the concrete or place the concrete manually.
- Hire a power floating machine and power float the concrete.
- Leave the slab and beams propped for 21 days and return the props.
- Screed the slab if not power floated.
- Plaster and paint the ceiling.



032 947 3067 (speak to Sara)



echokzn@echo.co.za