

Now Manufacturing!!!



PRECISION
SLABS

☎ 011 462 3762

Reaching New Heights

OFFICE : Cnr. Witkoppen & Market Roads,
Hammets Crossing Office Park, **FOURWAYS**

“QUALITY CAST IN CONCRETE”

COMPANY PROFILE

Precision Slabs is a well established company having been a market leader for over 15 years. We have made our mark by providing a quality service at competitive prices. We have a team of structural Engineers available to assist with any advice required.

Precision Slabs are Precast Flooring Specialists and Structural Engineers specialise in the design and supply of **Rib & Block** slabs systems.

We also offer staircase, column and foundation design.

OUR TEAM OF PROFESSIONALS:

Raul Gomes Pr Eng. Bsc (Eng) (Wits) -

Anton Dalhuijsen Ing. (Neth) -

Raymond Jansen van Rensburg -

Managing Director – rg@slabs.co.za

Technical Director – ad@slabs.co.za

New Business Development Manager - info@slabs.co.za

ADVANTAGES OF USING THE RIB & BLOCK SLAB SYSTEM:

- ❖ Eliminates the need for conventional insitu decking systems.
- ❖ Reduces amount of insitu concrete required.
- ❖ Speedy erection and completion ensures access to other trades and earlier occupation of completed building.
- ❖ Skilled labour is reduced due to the simplicity of the system and ease of handling.
- ❖ One stop service, from design to supply of materials including additional reinforcing where required.
- ❖ Ideally suitable for sites without crane access.

PRODUCTS AND SERVICES WE OFFER:

The Rib and Block systems that we supply are priced from **R140 p/m²** and are suitable for use in domestic homes, townhouses and cluster developments, as well as commercial and industrial developments.

Our Rib and Block system is made up of pre-stressed concrete ribs and hollow blocks which saves on erection time, as it is quick, simple and cost effective. This system is also very versatile and has the added advantage of offering thermal and sound insulation and is suitable to be plastered.

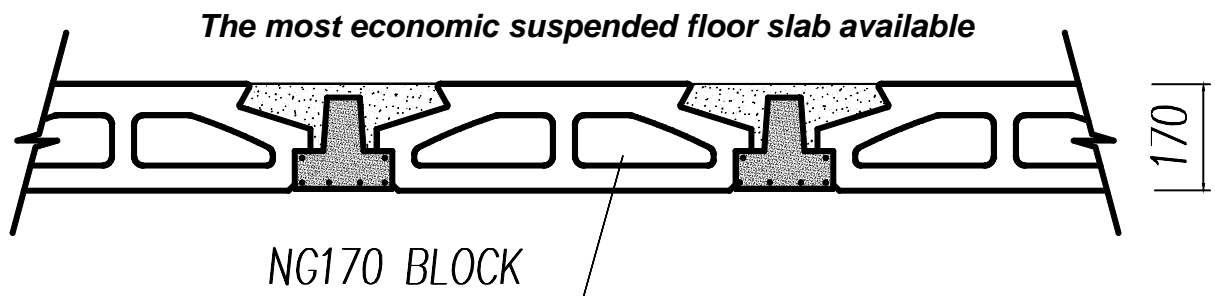
We have supplied slabs for numerous projects in housing estates such as Dainfern, Dainfern Valley, Eagle Canyon Golf Estate, Blue Valley Golf Estate, Thornhill Estate, Meyersdal Eco Estate, Serengeti Golf Estate, Featherbrook Estate, amongst many others.

In addition our slabs are used by leading building contractors such as Group Five Building, Concor Building, Wilson Bayly Holmes, Basil Read and Bartlett Construction, having completed numerous apartment complexes in Rivonia, Bryanston, Morningside, Kyalami, Ferndale and Vanderbijlpark.

PROPLESS T-BEAM SLAB - SYSTEM

It was developed with the intention to reduce costs in erection time and concrete. The system comprises of 150 x 60 prestressed ribs and NG170 or NG255 structural hollow blocks.

NEW



Advantages:

It allows one to pour as and when the brickwork is built and is therefore not reliant on waiting for the last brick of a Townhouse complex to be built before erection commences.

The Concrete is "struck" off level with the top of the structural hollow block ensuring a 40% saving in concrete.

OTHER SERVICES OFFERED:

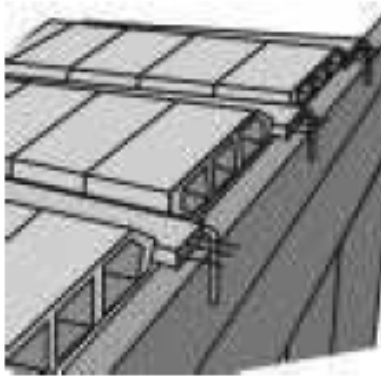
- ✓ Consulting Engineers
- ✓ Engineers Certificates
- ✓ NHBRC Certificates
- ✓ Structural Design
- ✓ Foundation Inspections

KINDLY FORWARD YOUR DRAWINGS OR QUOTE REQUEST TO:

info@slabs.co.za

AND WE WILL PROVIDE YOU WITH A QUOTATION.

Will beat any valid written quote



Erection Procedures

Placing

Place ribs at setting out points as indicated on drawing at 700 mm centers. Space accurately by placing one closed-end hollow block at each end of span. In accordance with SABS 0100, minimum bearing of 35mm onto load bearing brickwork.

Erect suitable temporary propping under indicated position of stiffener ribs (Maximum 1000mm centers) and level to specified camber.

Prop (if required) before placing balance of hollow block as detailed. Leave out blocks for stiffener ribs as per drawings.

Place stiffener rib (cross-rib) reinforcement. Install service over blocks and not on top of ribs (but under mesh). Then place mesh over blocks and services. (NB - no mesh required for N range blocks)

Remove excess rubble from ribs and blocks and thoroughly wet slab before casting concrete.



Inspection

Before placing any concrete all slabs are to be inspected by the supervising engineer or appointed representative.

Concreting

Use a minimum 25 MPa strength at 28 days as the structural topping. Casting must be continuous to create monolithic slabs.

Heaping of concrete must be avoided.

Concrete is to be mechanically vibrated.

Should you have any queries, contact Precision Slabs for advice.



Curing

Keep slab wet until stripping begins.

Stripping

Temporary propping may be removed when the in-situ concrete has reached a crushing strength of 17 MPa, or according to the supervising engineer's instructions. Typically after 14 days in summer and 21 days in winter.

Note: No heaping of building materials on slabs during construction

