

"S" Range Hollow Block System

Our "S" Range blocks are manufactured by a factory of world class standards, thus ensuring a product of excellent quality.

These blocks are 450mm long and 220mm wide and of varying height, giving a nominal cross center distance of 600mm.

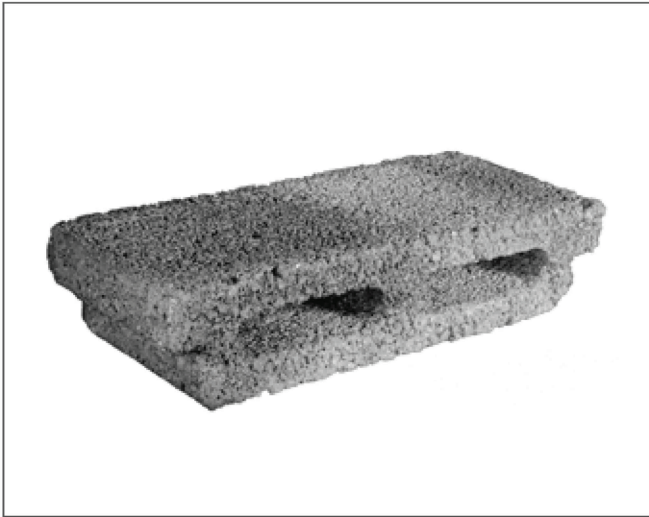
The "S" Range is a void forming system to reduce slab weight and to increase the load carrying capacity.

"S" - Trays are available to facilitate plumbing requirements within the depth of the slab. Closed end blocks are provided to minimize concrete usage

Application

- Residential
- Commercial
- Industrial





Product information

Ribs (Prestressed)

Normal size: 150mm wide x 60mm deep (21 .0kg/m)

Wire: 4.00mm diameter ($f_y = 1700$ MPa)

Von Moos - triple indent supplied by Haggie Wire and Strand

Concrete strength at transfer is a minimum of 25 MPa, with a minimum 28 day strength of 40 MPa.

Ribs are 5 wires up to 4.5m, 7 wires from 4.6m to 5.9m and 8 wires for lengths of 6.0m and longer, with 9 and 10 wires available on request.

Hollow blocks

All blocks are 450mm long and 220mm wide and of varying height, giving the nominal cross centre distance of 600mm. Closed-end blocks are supplied to eliminate concrete wastage and additional blocks provided to allow for breakage.

Load Tables are available for design assistance.



Service is not our only strength.



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"N" Range Hollow Block System

Our "N" Range block slab was developed with the intention to reduce costs in erection time and concrete. The system comprises of 150 x 60 prestressed ribs and N170 or N255 structural hollow blocks.

N170 - 170 - volume of concrete per $m^2 = 0.55m^3$
N255 - 255 - volume of concrete per $m^2 = 0.81 m^3$

Application

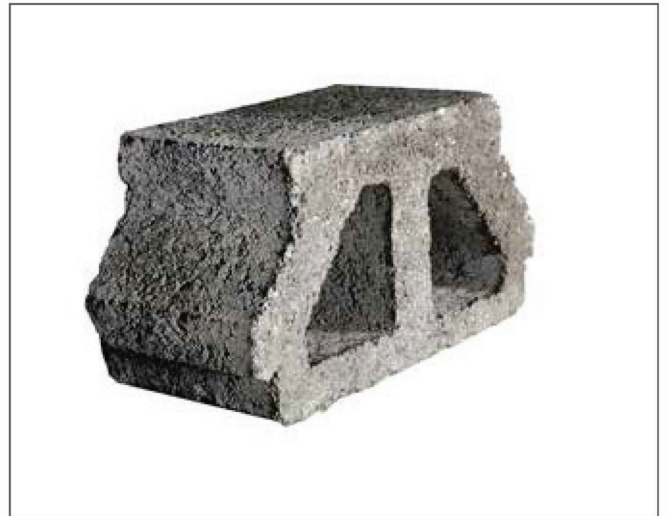
- Residential
- Commercial
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Advantages

The "N" range system allows sections of the slab to be poured in stages due to the ease of "breaking a pour." This allows for the continuity of building above the slab without delay.

The concrete is "struck" off level with the top of the structural hollow block ensuring a 40% saving in concrete. The above system is comparatively lighter than the conventional beam and block slabs due to reduced volume of concrete.





Product information

Ribs (Prestressed)

Normal size: 150mm wide x 60mm deep (21 .0kg/m)

Mesh

Slabs with "N" range blocks do not require mesh

Wire 4.00mm diameter ($f_y = 1700$ MPa)

Von Moos - triple indent supplied by Haggie Wire and Strand

Concrete strength at transfer is a minimum of 25 MPa, with a minimum 28 day strength of 40 MPa.

In-situ Concrete

25 Mpa "ready mix" concrete is specified by CSS, but a site mix may be permitted by the supervising engineer. The use of cube tests is recommended when site mixes are permitted. Volumes of concrete per m^2 given in the tables are a guideline to aid in the estimation of the concrete required. The "N" 150 Block has been developed to reduce the costs of the slab by eliminating the need for mesh and increasing the rib spacing to 650 centre to centre.



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