

# Technology Fact Sheet

## Technology/Product

## Composite Hollow Core Slab System

Year

2015

Patent Details

None

Description of technology



### Features of Composite Hollow Core Slab System

Composite Hollow-Core slab system consists of U-shape pre-stressed concrete beams with 50mm thick insitu concrete topping. These beams contain 6 nos. of 5 mm high tensile steel wires tensioned to 20 kN each. Grade 40 concrete is used to cast the pre-stress beams and the insitu topping is G30 concrete. Insitu topping contains gauge 10, 2"x2" welded G.I. mesh.

### General Information

- 1) Available Shapes- "U" shape
- 2) Total thickness-7"
- 3) Size of P.S. Beam 12" x5"

### Advantages/Benefits

01. Maximum span is 23'-0"
02. Bottom of the slab is uniform
03. Suitable for higher imposed loads
04. Void can be used to lay service lines

### Areas of application

- Slabs with large spans
- Slabs with high imposed loads
- Slabs which need flat soffit

### Cost as at 2019

1 sq.ft. – Rs.650.00

## Contact Details

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