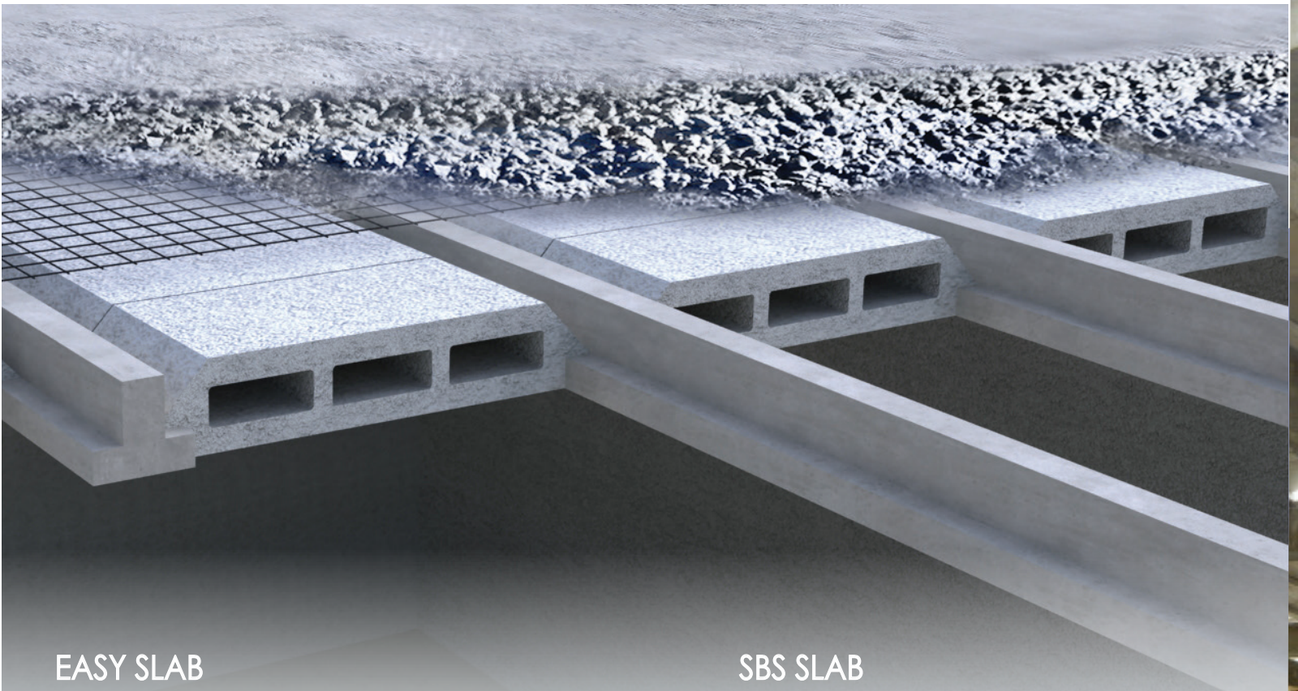

## EASY SLAB

### Load-Span Guidance Table

| Imposed Load (KN/M2) / Span(m) | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 |
|---|---|---|---|---|---|---|---|---|
| 3m | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3.5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4.0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 4.5 | ✓ | | | | | | | |

## SBS SLAB

### Load-Span Guidance Table

| Imposed Load (KN/M2) / Span(m) | 1.5 | 2 | 3.0 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| 3m | 1 | 1 | 1 | 1 | 1 | 1 |
| 3.5 | 1 | 1 | 1 | 1 | 1 | II |
| 4.0 | 1 | 1 | 1 | II | II | II |
| 4.5 | 1 | II | II | | | |
| 5.0 | II | II | | | | |

## Note:-

Above Chart to be used as a general guidance only. Always consult ICC Technical staff for your Requirements.


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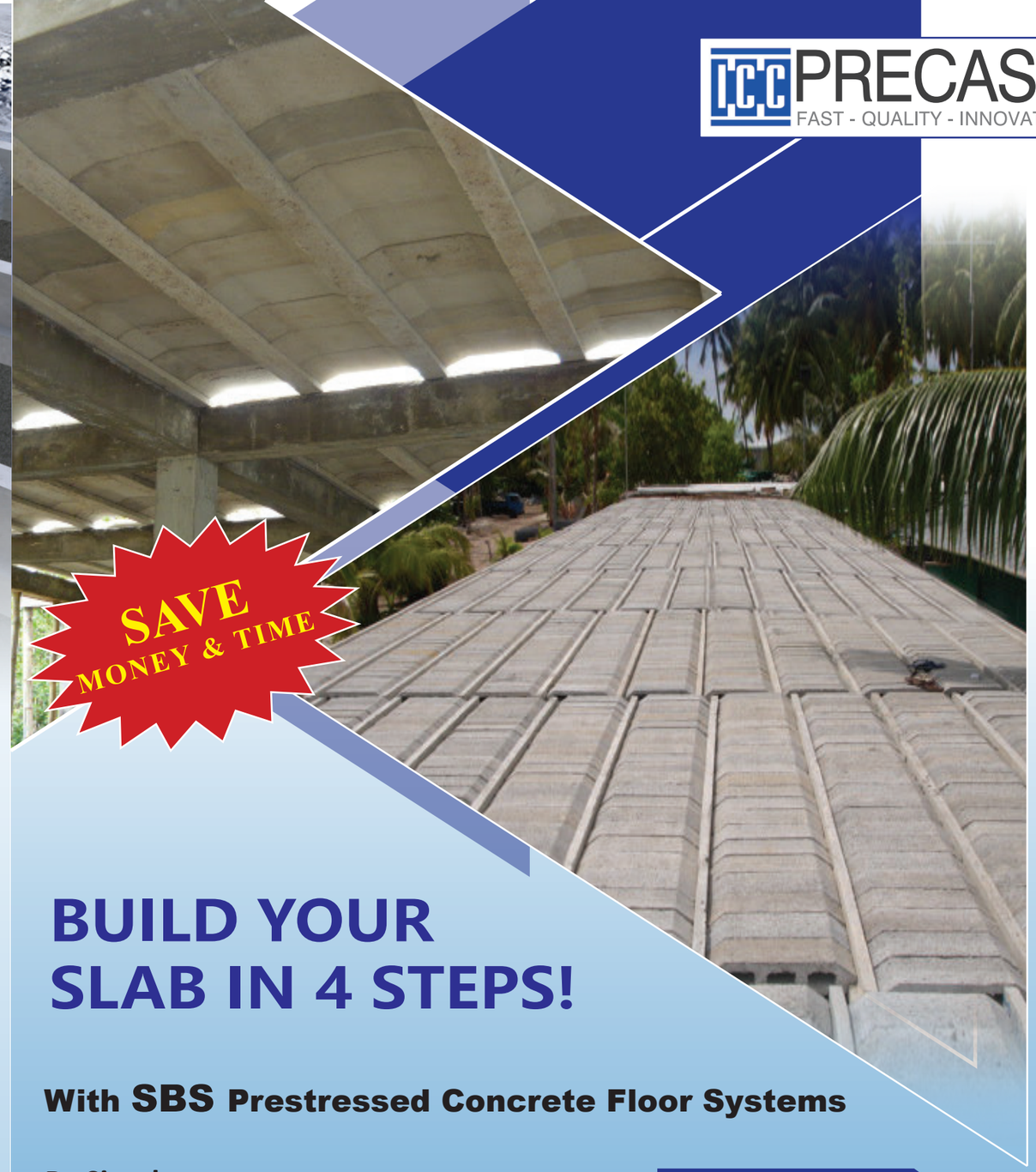


SAVE
MONEY & TIME

# BUILD YOUR SLAB IN 4 STEPS!

## With SBS Prestressed Concrete Floor Systems

**By Simply**

| | |
|---|---|
| PLACING | Beams on Walls |
| IN FILLING | With masonary Blocks |
| LAYING | Mesh Reinforcement |
| TOPPING | off with Concrete Screed |

- High Quality
- Less Labour
- Cost Effective
- No Formwork
- Fast Construction

**SBS - SUSPENDED BEAM SLAB**

## ADVANTAGES:

a) Considerble cost saving on the slab Compared to the conventional cast insitu method.

b) The system is easy and does not require skilled labourers for installation.

c) No formwork is necessary for the slab and the soffit blocks once in place offers an immediate working platform for further construction.

d) Repid method of construction due to the use of precast elements and the non-use of formwork.

e) The ducts in the soffit blocks could be used for services.

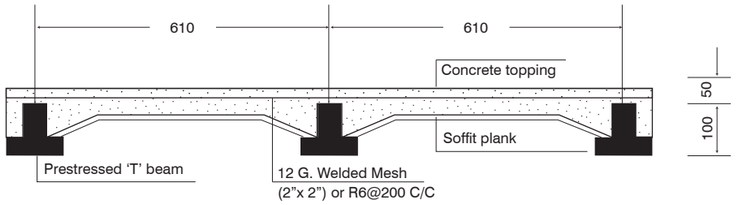
f) Provision of double beams or continuous beams, when heavy partitions or loadings are to be carried.

g) The system does not depend on prior knowledge of site conditions.

h) For two storied buildings, only a 225mm wide brickwork to support the beams is necessary.

## The prestressed slab system is made up of four components, consisting of:

### EASY SLAB - SINGLE BEAM MAX. SPAN 4.5M

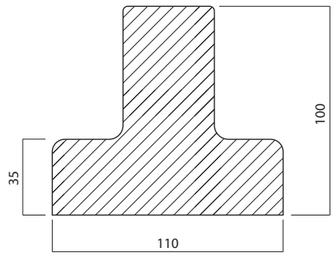



a) Prestressed beam - Grade 40/14 concrete.

b) Concrete masonry soffit block of Grade 30/14 concrete.

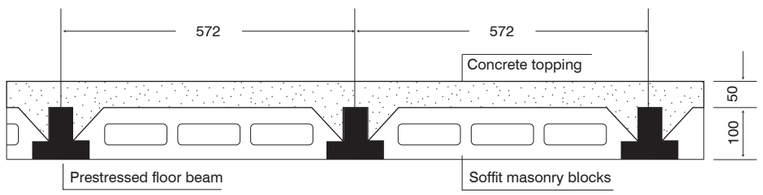
c) Distribution reinforcement 2"x2" GI weld mesh G 12 or 6mm mild steel at 200mm c/c.

d) Structural concrete topping - Grade 20/14 concrete.

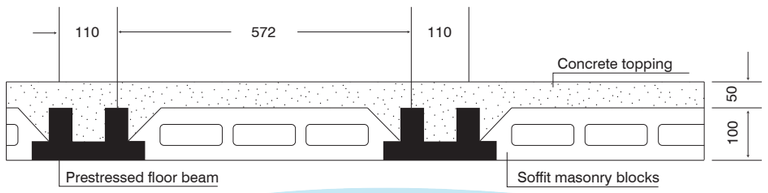


Cross Section of 'T' Beam

### SBS SLAB - SINGLE BEAM MAX. SPAN 4.0M ( Type - I )




### SBS SLAB - DOUBLE BEAM MAX. SPAN 5.0 M ( Type - II )




a) Prestressed beam - Grade 40/14 concrete.

b) Concrete masonry soffit block of Grade 10/10 concrete.

c) Distribution reinforcement 2"x2" GI weld mesh G 10 or 6mm mild steel at 100mm c/c.

d) Structural concrete topping - Grade 20/14 concrete.

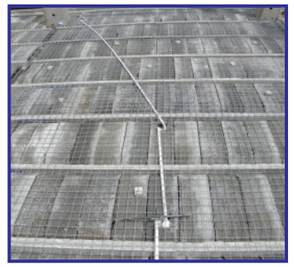
Line propping at mid span prior to placing soffit blocks, and removing after 7 days.

- If the slab is laid on a load bearing wall (Brick/Block), a concrete (Grade 25) stiffener has to be done with 100mm height to ensure a proper distribution of load.
- If the slab is laid on reinforced concrete beams or steel guarders T beam can placed directly on top.

- Lay T Beams at specified intervals.
- Each T beam should have 100mm end bearing.
- All T beams should be properly propped at the center before the placement of soffit planks / Blocks.

- Place the soffit planks / Blocks between the laid T beams.
- Do not allow more than two workers on top of the T beams.
- Make sure to avoid walking on the soffit planks / Blocks

- There are special beams designed to use for cantilevered portion up to 1000mm.



- Use a clear cover to reinforcement of 20mm on top of the soffit block /soffit plank & side form work.
- Place the specified 2"x2" GI welded mesh or 6mm mild steel net.

- Pour the concrete (Grade 25) at 50mm thickness and compact well.
- Cure the in-situ concrete continuously with water for seven days.