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partly-prefabricated beam and filler block floors

semi-monolithic: support and over lifting



"Master" floor: RC beam, concrete filler block filler blocks: spacing: 59 (57.5) cm, height 19 cm span: 1.20 - 8.90 m modular unit: 20 cm overlay concrete: 4-11 cm, with reinforcing mesh

over 6 m cross-rib is required, can also be installed as cantilever





partly-prefabricated beam and filler block floors prefabricated floors - beam and filler block floors









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 Floor construction stag transportation temporary support in placement of beam u (balconies, shafts, ei surmounting (over-lif filler blocks are put in concrete etc.) placement of steel u reinforcements (eg. steel reinforcement placement of beam of steel reinforcement pouring of the concret after treatment support removal 	es stallation units cc.) ting) n (ceramic, opper steel mesh) connection
	Porotherm and FERT floors beam and filler block floors – semi-prefabricated floors

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Main rules at arranging beam + filler block floor constructions

- 1. fulfill the average load bearing requirements (depending on the span)
- 2. beam must not be in the chimney wall
- 3. Minimum ring beam cross dimension 12 cm
- support of special loads (For i. partition wall, monolithic area) → arrangement (double, triple beam)
- 5. cross ribs to avoid buckling + load transfer
- 6. changing of span
- 7. technology of balconies \rightarrow **monolithic** (frost-resistance)
- support of balconies → cantilever with thermal insulation → thermal break (see later)

Porotherm and FERT floors beam and filler block floors – semi-prefabricated floors





