



HOLLOW SLABS

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The hollow slab is a composite concrete floor slab reinforced with pre-stressed rods. These slabs are designed for flooring in residential, public and production buildings with loadbearing walls of bricks, large blocks or cast concrete in nonaggressive and mild environments. They are also used in frame buildings with regular construction conditions.

PB slabs are manufactured off-form via continuous concreting with the equipment mad in Western Europe. This allows for hollow slabs of high quality and high preset geometric precision.

PB floor slabs are reinforced along the upper and lower surfaces with pre-stressing strands of various diameters (class K-7 of GOST 13840), as well as with wire Vr-5 in the upper layer. After the concrete strength is gained, the strand stress is relieved, which yields excessive tension in the flooring slab thus boosting its bearing capacity.

As per design documents, the hollow slabs are manufactured with perforations, embrasures, notches and pre-installed embedded inserts. PB floor slabs are produced without the use of metal molds, which enables manufacturing hollow slabs of any length down to 1-cm accuracy.

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