

PARTITIONS MADE OF CELLULAR CONCRETE BLOCKS**Demidok Y. A.**, studentScientific supervisor – Safronova Y. V.
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For the construction of partitions in buildings and structures, blocks of cellular concrete with a thickness of 100 mm 150 and 200 with a density of d_{500} are used. The masonry of partitions is carried out both on a cement-sand mixture and on an adhesive composition. The use of cellular concrete blocks can significantly reduce the weight of 1 m^2 partitions. Due to thin seams, the masonry dries much faster than brick. The surface of the masonry blocks does not require mandatory plastering – finishing putty is enough for finishing. All of the above provides large volumes of work on the construction of partitions using blocks of cellular concrete. The device of partitions. Prior to the start of the work, a preliminary marking of the line location of the partition is carried out, that is, laying on the cleaned cover, ceiling and adjacent walls.

For this purpose, you can use a colored rope and a level or a laser rangefinder. Before laying the first row of blocks, waterproofing is performed from rolled water insulation materials. The partitions can be fixed to the load-bearing wall using steel anchors that are laid in the horizontal seam of each second row of blocks. If the partition is adjacent to the load-bearing wall, in which steel anchors have not been previously installed, the walls are connected using "L" type connecting elements. This solution is applied if a stone is used for the construction of partitions, the dimensions of which differ from those used for the construction of the main walls. The difference in the height of the masonry elements can lead to the fact that the horizontal seams in both walls will not coincide, and the use of simple connecting elements will be impossible. For the use of curved connecting elements, they must be properly attached to the walls. Depending on the masonry elements used, this can be done with nails or spacer dowels. The masonry of partitions is carried out in the same way as the masonry of load-bearing walls, openings in partitions can be covered without lintels using mounting wooden formwork.