

## Review and Analysis of the Operation of Monolithic Biaxial Ceilings With Void Generators in Dry and Hot Climates

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**Abstract:** The summary of this article is that the issues of analysis and introduction into construction of multi-dimensional cast spacings and tomyopms, which are resistant to hot and dry climates, have been disclosed.

The cost of mounting the spacings, which are also related, has been compared to the structural closures being designed.

**Key words :** Concrete, slab, buildings, precast, monolithic, construction, laboratory, theoretical, earthquake, hot climate, dry climate.

**Log in.** Systematic efforts are currently being made to ensure sustainable growth rates for the production and export of competitive products in the country, as well as to deepen content changes aimed at modernizing and updating construction materials industry enterprises.[10]

(Matthew 24:14; 28:19, 20) Today, there is a growing demand and offer for affordable housing for the population, quality, affordable, new types of building materials for social justice facilities, informal and residential areas.

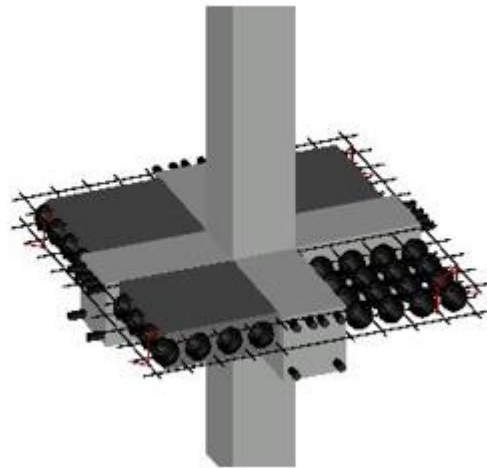
This year, the construction materials industry has set the stage for the production of 22 trillion gallons (22 trillion L) of products, producing 14.5 million tons of cement, 23 million square feet (23 million sq m) of construction windows, 60 million square feet (60 million sq m) of hypsokarton, and 2 million cubic feet (2 million cubic meters) of bricks.[8]

In order to introduce the production of new types of quality and safe building materials, 340 international standards were adopted in 2019. According to the plan, 542 international standards are being adopted in 2020 and 505 in 2021. As a result, the network is increasing the level of harmony with international standards.[7]

There are several technologies for the construction of floor slabs with the use of void formers. The work describes a technology in which at the first stage the formwork is installed. At the second stage, the lower reinforcing mesh and the frame of the arrises of slab are laid between the void formers. At the third stage, concreting of the bottom flange of the slab is carried out. The installation of void formers should be carried out on freshly laid concrete, for their adhesion (development of strength of concrete more than 1.5 MPa), which excludes their floating during following concreting. At the fourth stage, the installation of the upper reinforcement mesh and the concreting of the upper part of the slab are performed. During this, the concrete should be placed first on the void former, then on the arrises of slab. (Figure 1)

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(Figure 1) the projected Oracle model

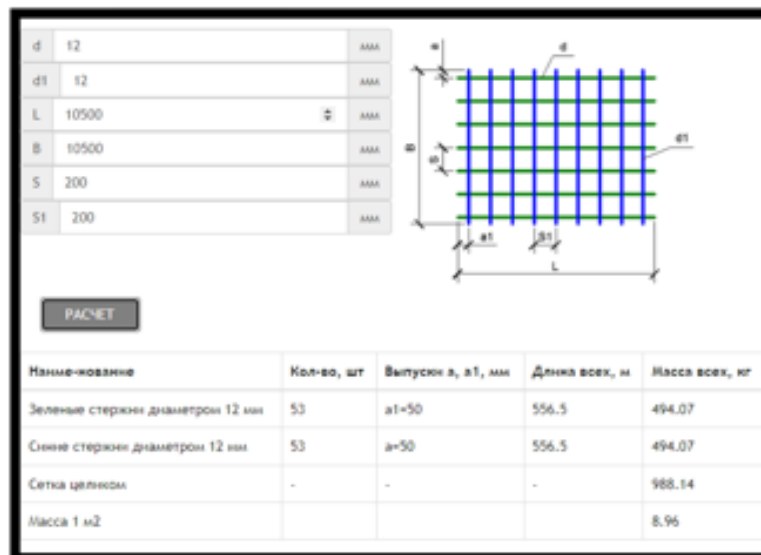
In applying semiconductor and semiconductor intersections consisting of ceramic blocks with many spaces to construction in Uzbekistan, conditions in various republics, including:

- Insufficient hom artifact base.
- The main organizer of the structure is the                      consists of local materials.
- Minimize the size height of the bin.
- Reduce the volume of concrete and the weight of the building.
- Energy savings.
- Earthquake resilience.
- We will check in such areas as life expectangles and so on.

**Calculation method.** The disadvantages of construction structures made of reinforced concrete were their high weight. One of the ways to ease the weight of reinforced concrete constructions is to reduce the volume of concrete in intermountain and roofing. At the same time, this is an important technology, especially when concrete consumption is reduced. To do this, you can achieve this by placing gaps in the filling zones between the working zones of the structure. The presence of gaps leads to an increase in the soundproof properties of the boards. When using hollow slabs, the vertical load on the pillars is reduced, and static loads descending on the walls and foundation of the premises are reduced. A classic example of reducing the weight of iron and concrete construction structures today is the multi-gap assembly intersections that are included in the product catalog of many iron and concrete factories[15-33].

Attempts to ease the weight of reinforced concrete structures go back a long history. One of the cases encountered during the reconstruction or demolition of ancient concrete and iron-structured buildings was the placement of wooden blocks in concrete, iron ore structures . This is not very effective, but is an example of weight gain.( Figure 2)





**Figure 2. Proposed construction consumption**

Reinforced concrete intersection and roofing. In domestic and foreign practice, paper, cardboard and plastic pipes have long been used to build monolithic inter-intercoopma roofing[1-33].

Let's try to calculate the cost of different types of intermediary, prices may vary in different provinces and different conditions, so let's take the average arithmetic and calculate prices for 100 m2 respectively. 10x10 houses, in 2023...

The total cost of the installed oral orayopma from the monolithic plate is as follows:

Price of concrete (for 25 m 20 m<sup>3</sup>) – 10,000,000 soums.

- Armature cost - (for AIII 12Ø 2000 meters 1.8 T) - 7,900,000 soums.
- The cost of concrete work is 4,800,000 soums.
- The rental price of molds is 200,000 soums.
- Working hours of concrete pump – 1,000,000

Total: 25,700,000 soums..... rounding up 26 million soums

The total cost of the harvested slabs is:

- plates themselves (with delivery)

Figure 2. Armotor account

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- The mechanisms used to discharge and install are 1,900,000 soums.
- Connecting belts for intersections (for armature and concrete) – 8,000,000 soums.
- anti-semitic belts for installation of intersections (for armature and concrete) - 7,000,000 soums.

Total account: 35,400,000 soums. If we improve, it will be 36 million gallons [36 million L].

The total cost of the oryopma installed from a multi-space monolithic plate will be:

- The price of concrete (for B25 13 m<sup>3</sup>) is 6,500,000 soums.
- Armature cost - (for AIII 12Ø 2000 meters 1.8 T) - 7,900,000 soums.
- The cost of concrete work is 4,800,000 soums.
- The rental price of molds is 200,000 soums.
- Working hours of concrete pump – 1,000,000



Total: 22,200,000 soums..... rounding up 23 million soums

To assist individuals desiring to benefit the worldwide work of Jehovah's Witnesses through some form of charitable giving, a brochure entitled Charitable Planning to Benefit Kingdom Service Worldwide has been prepared.

- Sources of raw materials for the selected structure have been studied in the region.
- It turned out that the time required for the assembly process of the chosen structure for the study will be reduced significantly.
- We found that the ease of the blocks used in the assembly process creates a number of opportunities for workers to do so.
- It has been studied not to conduct sounds because there are gaps in the design intersection.
- The intermolecular force from all these globe becomes close to the historic centre of the city.

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