

## THE KLINKER CEMENT IN THE PRODUCTION OF GAS FUEL FROM USE SPARINGLY

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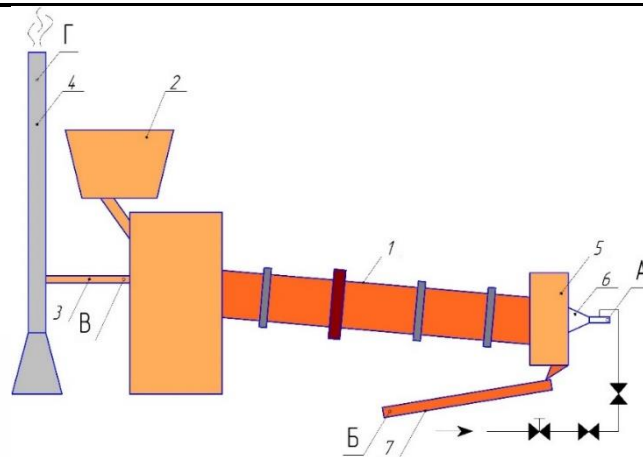
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Grow in ovens revolving cement used in the construction of agricultural enterprises is carried out. The size of rotary ovens klinker coming meyoriy the requirements of the higher of the firm, in the internal part of the oven to k free matures opportunity to be able to in addition to the availability of the most comfortable, grounded in the structure of a combination of clay be difficult due to lack of expansion in the process of cooking, stick to one material as there are gaps [1-7]. These set the oven to eliminate deficiencies and installation, gas, fuel efficient, economical to use the main aims to need attention.

Cement rotating ovens in the cultivation of major technological serves as a device [8-16]. The two ends of the revolving oven is open, the drums inside with brick issiqqa resistant futerovka made. Opposite the raw materials of the gas in the oven and heating expenses. The oven heating and the material xarakterlanayotgan the opposite of the gas at each point is the difference between the temperature on the length of the process and serves as the driving force of this difference [17-23].

Prepared from a mixture of natural stone and soil oxak high xaroratda cook. The chemical composition of raw materials during the cooking process the elements in a certain sequence in the interaction of a chemical reaction reaches into the effects of heat and as a result, cement klinker of dressing [24-21].

Klinker cooking fuel gas from raw materials in a cost-effective part on the use of n has conducted research. Test run the device and the measured point 1-is shown in the picture [32-41].



1-picture. Clinker cooker rotary furnaces measure of the image

The test during the measured point.

A-gas yondirgichga the coming of the gas pressure; B-pech of klinker work out the capacity; V-pech throughout heating gas reduction; G-pechfrom coming out the heating of the gas temperature.

1-rotary xarakterlanuvchi airnker pishiruvchi oven; 2- oven granules've transmission; 3-gas corridor; 4-heating outgoing pipes; 5-furnace in the lower part; 6-gas yondirgich; 7-the cooling drums.

Rotary oven klinkeyto cooking time 35-40 minutes up are, that initial 18-20 minutes for 1050-1300 °C. to a temperature of heated and 2-4 minutes for the temperature to 1400÷1450 °C. to be carried, this temperature 10÷12 minutes for cook, afterng 2-3 minutes 1000-900 °C. The pm will sovitilib. Granullarning mutual aone and the oven inner part futerovkaga close avoid get to, to the expansionat the maximum temperature of 1450 °C exceed, the expansion of the temperature interval of 50÷70 °C than less be should. Bake high quality klinker work out,cook,work, sovitish process of the order, 've granules of the composition and the gas the state is associated. Granules raw materials to thermal treatment to give the oven gas case also depends on [42-47].

Pressure under barabanli oven transferred to the heating gas and air , the amount of furnace work in the process of the central axis of the part is depending on it will move. Depending on the change of temperature can be conventionally rotating ovens to the area of the space below:

1. The raw materials in the area of the space heating at 150°c. it is heated.
2. Building the space of the areaI or the gas temperature 150÷750°c. and the material temperature is 40÷240°c the limit of the moisture from. The total length of the oven, the length of the building range 25÷36 percent of g'ovaklik raw material granules, and the humidity is related to the time that is required for the expansion.
3. Dekarbonizatsiya process area.Thus, the temperature of the gas is 1050÷1250°C. take the temperature of 240 and materials÷880 border. During the heating process the transfer of heat

to the material, I is the name given to gas heating from qizdirilayotgan material. The total length of the area qizdiruvchi the length of the oven 20÷32 percent.

4. Klinker's the process of cooking area. In this process the oven , the temperature of the gas 1300-1450 °C. and the temperature of the material 880-1160 °C., in this case pishirilayotgan klinker granules separated from the expansion of gas will continue to be. Pishiruv process of the intermediate area, the total ovens length of 15-20 % and up is.

5. Cooked klinker is initial cool to the process, to the oven, out of which comes the secondary air coming out of the process on comedi. This space in the area has granules surface in the part at various different iron compounds in the oxidation of brown and red appearance have will. Granules've cooled in the temperature of 1000÷1050 °C. to decrease. Cooling process of the intermediate area, oven total length of less than 5% does not exceed.

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