

ABSTRACT

Diploma project of the “Bachelor” degree: «**Plant site for the producing of glazed ceramic tiles**» / Igor Sikorsky Kyiv Polytechnic Institute; Supervisor: *Subbota I. S.*; Student: *Kravchuk O.V.*, XM–41 group.

Explanatory note: 111 pages, 4 figures, 33 tables, 26 sources, 2 appendixes.
Graphic part: 7 A1 sheets.

Purpose of the work - designing a plant site for the producing of a glazed ceramic tiles a capacity of 2,2 million m² per year.

Done selection of raw materials, the calculation of chemical composition mass and main process equipment, the material balance of production, the calculation of combustion of fuel and the heat balance of the roller oven. An economic and institutional estimates of production costs and payback of the company. Done the scheme of automation of the roller oven. All technological decisions are taken into account the requirements of labor protection and fire safety.

The degree project may have practical significance for building a new plant to produce glazed ceramic tiles.

Keywords:

PLANT PROJECT, CERAMIC TILE, GLAZE, FLOWSHEET, MATBALANS, ,
ROLLER OVEN, AUTOMATIC CONTROL