

ABSTRACT

Diploma project of the “Bachelor” degree: « **The division of the company for the production of ceramic tile**» / Igor Sikorsky Kyiv Polytechnic Institute; Supervisor: Subbota I.S.; Student: *Shaievskya V.V.*, XM–41 group.

Explanatory note: 98 pages, 6 figures, 29 tables, 28 sources, 1 appendix.
Graphic part: 6 A1 sheets.

Object of the research: the technological scheme of ceramic tiles with its detailed description was exemplified, there was conducted the calculation of the material balance of manufacturing and the basic dimensions of tunnel kiln, the heat balance and the main economic indicators of the manufacturing site were calculated, the automation of technological lines, to ensure healthy and safe working environment and fire safety the essential precautions were elavoted.

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Keywords: ceramic tile, loam, fly ash, flow sheet, tunnel-type furnace, automatic control, profitability.