



15th International scientific conference “Underground Urbanisation as a Prerequisite for Sustainable Development”

## Building heat-insulating materials based on the products of the transesterification of polyethylene terephthalate and dibutyltin dilaurate

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### Abstract

In this paper, we offered a technological basis for production of heat-insulating polyurethane materials based on the aromatic polyester – the product of transesterification of polyethylene terephthalate and corrective additive - dibutyltin dilaurate. Also, we presented the formulation and properties of the developed polyurethanes.

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**Keywords:** building materials, heat-insulating materials, foamed polyurethane, aromatic polyester, corrective additives.

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### 1. Main text

One of the most common and efficient insulation materials today is polyurethane foam because it has a number of unique characteristics. Its application is possible directly on site using simple deposition and filling installations, it

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