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“INTEGRATING CLEANER PRODUCTION INTO SUSTAINABILITY STRATEGIES”

Utilization of Glass Wool Waste in Gypsum Board

ANTUNES, M. L. P. A. ^{a*}, PIERONI, B. B. V. ^a

a. Universidade Estadual Paulista "Julio de Mesquita Filho" – UNESP, Sorocaba

**Corresponding author, malu@sorocaba.unesp.br*

Abstract

Nowadays, the industrial and world`s consumption of products growth becomes increasingly necessary to develop new alternatives for the reuse of materials. The glass wool, by their physical and chemical properties is one of the most traditional thermal and acoustic insulation used in the world. When generated as waste in an industry of acoustic materials, the final destination most common is the disposal in landfills. The present study aimed to propose alternatives for final allocations of glass wool. In order to characterize the material was held wettability test and measured and the apparent density. The waste is hydrophilic. The incorporation of this waste in gypsum boards can be used to produce a material that improves the sound insulation property, and an option for reuse than reducing waste disposal.

Keywords: glass wool, gypsum board, waste

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