RECYCLABLE MATERIALS AND THEIR POTENTIAL OF USING IN THE FIELD OF AGRICULTURAL BUILDINGS

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Abstract

Using recycled materials in construction is not only a gesture of solidarity with nature, but also a clever tactic that results in increasing their potential for reusing. The purpose of this paper is to identify and capitalize recyclable materials for classification and utilization in the agricultural buildings. Determining the potential for reuse of those can be done through proper management of each type of waste. Reintegrating them into materials cycle is essential for sustainable development. It will be identified and presented in this paper new materials developed by various researchers in order to increase their performance or at least to maintain them within acceptable limits to be exploited. This paper will present recyclables materials coming from industrial activities, such as burning solid fuels, steel production (ash, slag), auto-industry (tires) and polymeric industry. Synthetic materials generically called plastics are widely used in construction due to their durability and low weight. Common thermoplastics are polyethylene and polypropylene, have the advantage of being easily recyclable.

Key words: recyclable materials, agricultural buildings, waste