

Secondary Building Resources: Environmental and Economic Approach to the Classification

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key words

secondary material and building resources, construction waste, waste classification, economic and environmental efficiency, waste identification and certification

The article deals with the development of the classification system of secondary construction resources (SCR), as one of the factors that determine the direction to improve the efficiency of their processing. Due to the complexity of the construction waste recycling process, the classification of SCR is considered taking into account a number of additional features that ensure the accounting of possible solutions for the collection, sorting, transportation and processing of construction waste, as well as the harmful effects on the environment and the population. We propose an approach to the classification of SCR, by the type of components of economic and environmental effect, reflecting the interaction and interrelationship of all its constituent elements, focused on their further use with maximum efficiency. On the basis of this classification, it is possible to develop the main directions and the program of complex processing of SCR, at the enterprises of the construction industry and in the regions, designed for the long term.

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