

## Recycling Process of the Aluminium Cans as an Element of the Sustainable Development Concept

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**Introduction into problems – An idea of recycling is related to the sustainable development concept, which enforces this process. One of the most often recycled material is aluminium. It is recovered primarily from used beverage cans. These cans are normally back on supermarket shelves as new beverage cans in 6-8 weeks. With a growing percentage of the cans made from aluminium, because of its lightweight qualities, this ensures a healthy market for aluminium can recycling. In the paper characteristics of aluminium and the process of its recycling are presented. Its recovery rate in Poland is shown. The analysis of possible use of preformed granules of aluminium scrap into liquid steel deoxidation was also conducted. The results of the research carried out in laboratory conditions clearly showed that the sample 4 from the third supplier, from the viewpoint of the cost of the technology used in steel deoxidation, is the least favourable.**

**Keywords:** Aluminium, Used Beverage Containers, Recycling, Liquid Steel Deoxidation

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