



MARKET FOR REUSE

Investigating reuse of acoustic ceilings from a market perspective

Degree Project in Production Management

By:

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Today, 96% of Sweden's materials come from virgin resources and only 3.4% of resources used in Sweden are retained in the value chain. Of a total of 266 million tonnes fed into the economy each year, 46.9% consist of construction materials. Hence, there is a need to adapt circular strategies, such as reuse of construction products, to meet Sweden's goal of becoming net zero by the year 2045.

Purpose

To face the problem of extensive construction material waste, there was a need to identify drivers and barriers for reuse of construction products to establish a best practice for the partnering case company Saint-Gobain Ecophon in developing a market for reuse

Method

This research was designed as a mix of an explanatory study and a problem-solving study, using case studies. The research approach used was abductive, using qualitative data from a literature review and interviews with stakeholders to gather information.

DIBN-framework

The Drivers, Inbetweeners, Barriers and Needs framework (DIBN-framework) was developed by the authors and summarises the key takeaways from interviews and the literature review, see figure 1. By realising these, it was possible to enable a general offer for the reuse market as well as establish a best practice for the case company, enabling short term and long term success.

Conclusions

The drivers and barriers for reuse could be identified as e.g. high demand, GBC:s and reuse being considered as a trend. By using the

