

Collection of aluminium building products at their end-of-life

This case study #2 is the second of a series of case studies whose overall objective is to **investigate the collection rate** of aluminium building products at their end-of-life in Europe.

The building object of this case study is an office building **located in the Netherlands**. Province Gelderland, the owner of the building, opted for a sustainable way of demolition: circular mining.

To determine the collection rate of aluminium building products, a pre-demolition inventory was carried out by **SGS** Search.

Most of the aluminium windows were directly reused in circular designs which resulted in a **direct reuse of more than 80%** of the total aluminium content. Some profiles were refurbished and all other aluminium collected for recycling. Only a small amount of aluminium embedded in small applications (e.g. exit signs) is assumed to be lost, resulting in a collection rate of 99,3%

CASE STUDY #2

Location: **NL**

Year: **2022**

Aluminium content: **7 tonnes**

Collection rate: **99,3 %**

Pre-demolition inventory **SGS**

Collection of Aluminium

1 DISMANTLING

7
TON

The office building contained **7 tonnes** of aluminium in total, mostly consisting of windows and other extruded profiles.



2 COLLECTION

During the dismantling of the building, **99.3%** of the aluminium products have been collected for reuse, refurbishment or

99,3%

IN SHORT



With a collection rate of **99,3%**, this **case study #2** confirms the high collection rates for aluminium building products at their **end-of-life**, as concluded in the study completed by TU Delft in 2004.



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FOR MORE INFORMATION, CONTACT US

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