Circle House
— Circular Building in Practice

Expertenforum Beton, 06.10.2020
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We turn best practice into better practice.
We need to talk about value, not only volume.
89%
2%
Circular economy is about maintaining the material value over time.
Read and download here: buildingacircularfuture.com
Design for disassembly

Material Passport

Circular Economy
From Theory To Practice
60 housing units
4 typologies
IN CIRCLE HOUSE 90% OF THE MATERIALS SHOULD BE REUSABLE AT A HIGH VALUE
Wall + Beam + Deck
Install during fabrication
RFID chips costs between 1-3 € per chip to install

In-situ product information
the dormant chip links to information when activated

Link to web-portal
the chip embeds a variety of info depending on software

Potential providers
RFID tagging of precast concrete
Upcycling of existing buildings
RETAINING 98% STRUCTURAL WALLS
$130,000,000 MATERIAL + TIME SAVED
Increased Views / Daylighting
TYPICAL SPLICE DETAIL FOR ATRIUM INFILL PANEL AND DECON FLOOR
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