ReCraft
Design
Studio

Interior elements made from
Upcycled demolition waste materials

ReCraft revolutionizes the construction environment by minimizing waste and keeping materials in the industries loop. We reclaim demolition waste and transform it back into valuable resources, rediscovering its potential through traditional craftsmanship. By valuing non-standardized materials, we enable unique design possibilities and empower architects and builders to push creative boundaries.

ReCraft Design Studio
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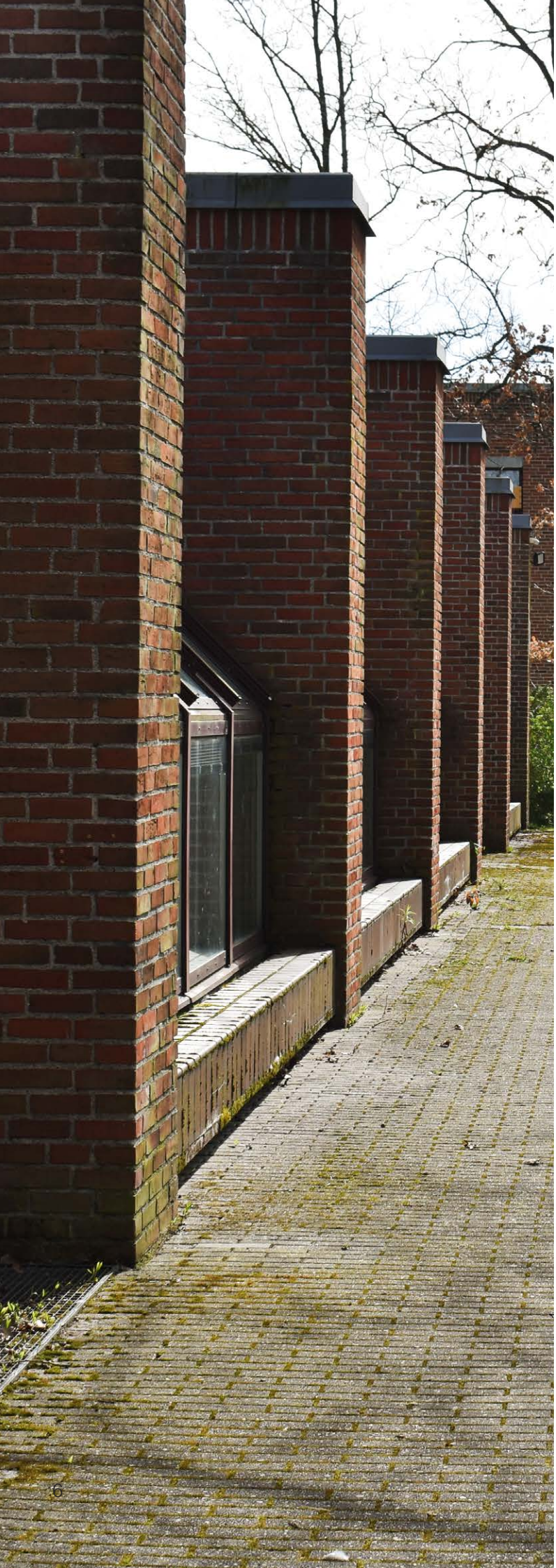
Høje Taastrup Collection

Locally Sourced,
Carefully Crafted.



Høje Taastrup
Collection

The town hall, constructed in 1981, spans over 17,000 square meters with a basement of about 4,700 square meters. Its load-bearing structure mainly comprises precast concrete slabs on girders parallel to the facades, supported by columns. The lightweight facades feature concrete columns spaced every 6 meters, with Eternit panels near the windows and on the roof.

About the Building

Concrete shell walls around stairs, utility shafts, and restroom cores on the ground and first floors provide stability. Inside, partition walls are modular, made of wood and glass. Most floors are carpeted, while secondary areas like toilets feature tiles or linoleum. The corridors and central open area have tiled and rubber flooring, respectively. The flat roofs are covered with grey membrane insulation atop the precast concrete deck, and a steel framework supports glass and steel roof panels.

Material

Cement Pavement Stones. Carefully recrafted.

During our journey into the realm of sustainable building practices and demolition we discovered the widespread availability of a specific material – cement pavement stones. Found across many construction and demolition sites, regardless of their diverse typologies and construction eras, these stones represent a prime candidate for extensive reutilization and scale-up in sustainable architecture. Their robustness and versatility make them an ideal choice for a variety of designs and applications, underscoring the potential for innovative architectural solutions.

About the Material

Working with reclaimed pavement stones involves different approaches, depending on the varying condition, from minor damage to pristine contion, after a demolition took place. During the refining and crafting method, traditional craftsmanship is merged with modern technology. The condition of the pavement stones dictates their new purpose. Stones in good condition can be repurposed as pavement stones with minimal alterations, such as creating new patterns using traditional stonemasonry techniques. Conversely, more damaged stones are sawn into smaller, thinner pieces. Depending on their size, these pieces can serve as interior wall or flooring tiles.

01 Taastrup Textured Tile

General Specs:

Application	Interior cladding
Standard Size	205 x 65 x 15 mm
Manufacturing Technique	Hand Chisel
Former Application	Exterior pavement
Reclaim Date	15.04.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Grout, Mechanic

02 Taastrup Textured Tile

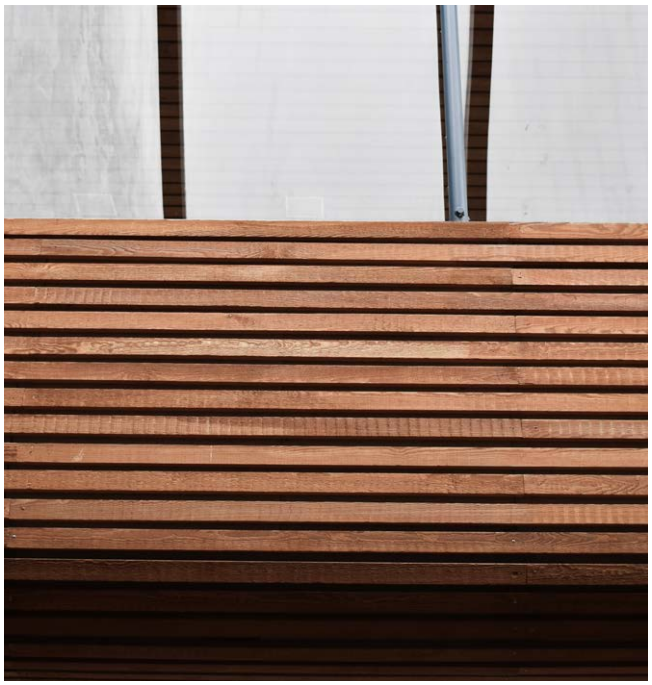
General Specs:

Application	Interior cladding
Standard Size	195 x 65 x 15 mm
Manufacturing Technique	Hand Chisel
Former Application	Exterior pavement
Reclaim Date	15.04.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Grout, Mechanic

Material

Wood cladding. Carefully recrafted.

Sourced from the interior ceiling cladding of the town hall in Høje Taastrup, the pinewood used is of the highest quality. This biogenic material was chosen during a time of timber scarcity for its ornamental value and its ability to cover the technical infrastructure in the expansive building complex. To ensure safety, the pinewood was impregnated with Minalith, making it fireproof and suitable for interior cladding. Initially rough due to the fire-retardant treatment, the surface was carefully refined to reveal the beautiful natural grain of the long-grown pinewood boards.



Processing

Drawing from traditional wood carving techniques, we automated the process using CNC milling machines. By combining 3D scanning technology with 3D modeling, we generated new surfaces that unify traditional craftsmanship with modern technology. This approach allowed us to create intricate designs with precision, blending the timeless beauty of hand-carved wood with contemporary innovation. The result is a functional and aesthetically pleasing cladding that embodies both heritage and modernity in architectural design.


Carefully Sourced,
Locally Crafted.

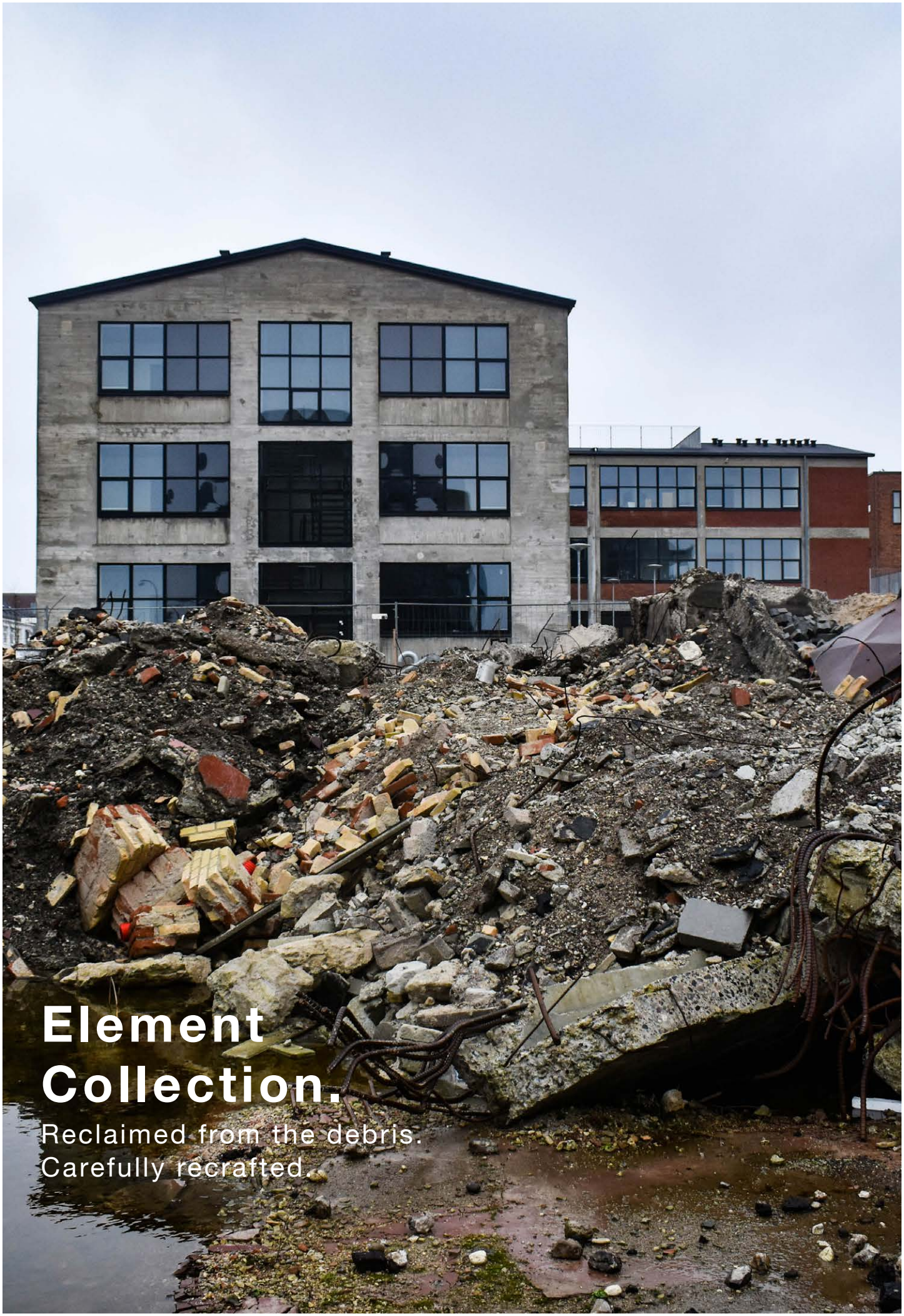
02 Taastrup Pine

General Specs:

Application	Interior cladding
Standard Size	800 x 100 x 20 mm
Manufacturing Technique	CNC mill
Former Application	Ceiling cladding
Reclaim Date	15.04.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Mechanic, Dry, Joint

General Specs:

Application	Interior cladding
Standard Size	800 x 100 x 20 mm
Manufacturing Technique	CNC mill
Former Application	Ceiling cladding
Reclaim Date	15.04.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Mechanic, Dry, Joint


Element
Collection.
Reclaimed from the debris.
Carefully recrafted.

Element
Collection

Within the Element Collection demolition materials from buildings constructed between the 1950s and 1980s find new purpose and beauty.These buildings, demolished through conventional practices involving massive machinery, often leave behind damaged elements and discarded pieces. Due to the short supply of wood during that time, it was replaced by prefabricated concrete elements, which has been assembled on site. All buildings of this period have a similar material palette and construction system.

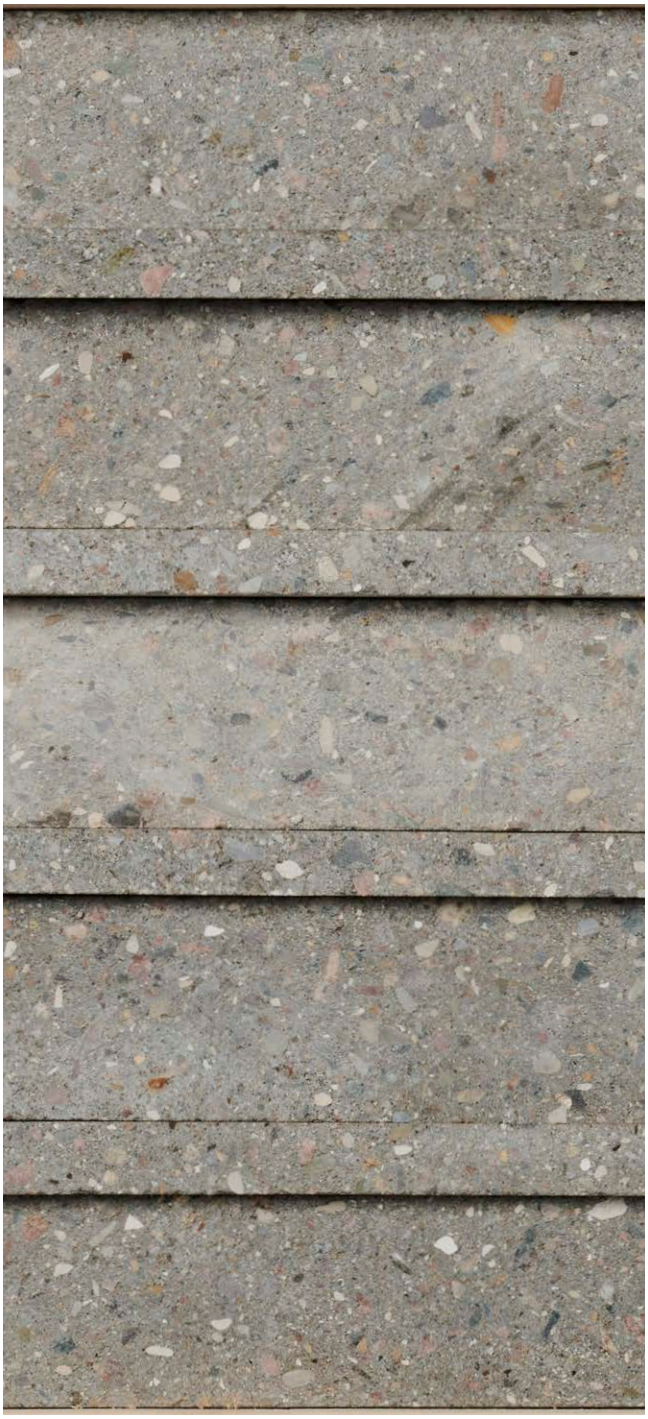
Reclaimed from debris

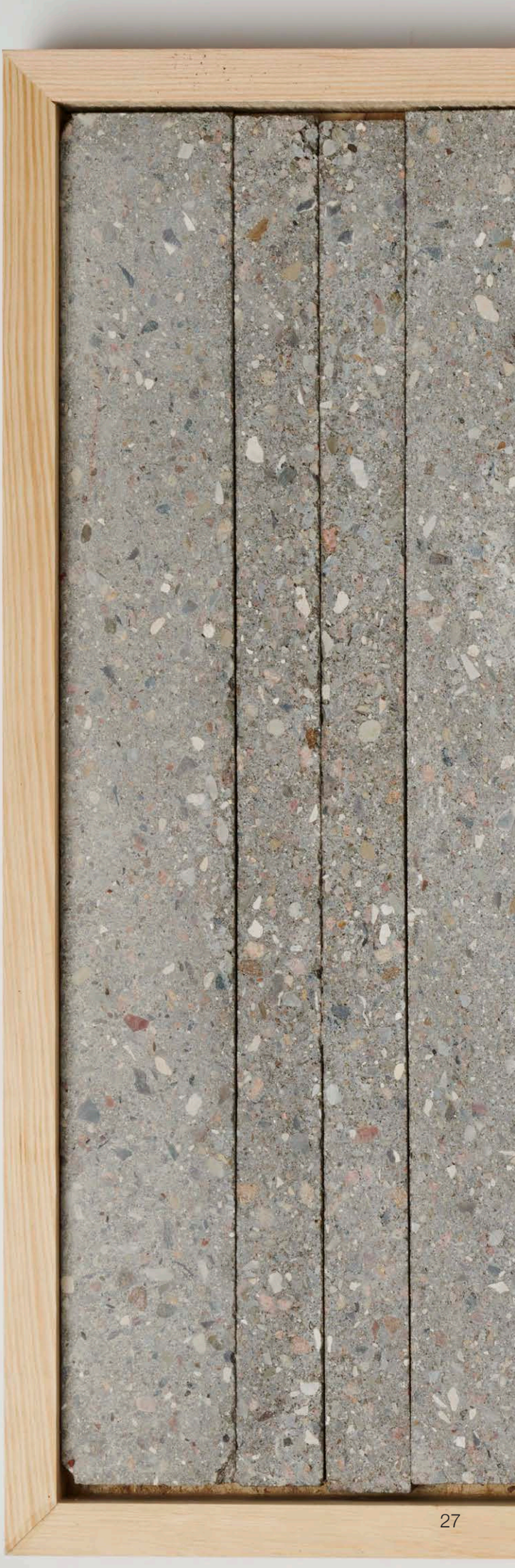
Our mission is to identify these overlooked resources and unlock their potential through the art of upcycling.Through a process of testing, reshaping and craftsmanship, we bring new life to these once forgotten elements.
The building in Brøndby was built in 1960 and demolished in 2020. The built-up area was 2200 square metres and provided space for a chrome factory. The factory had to be closed in 2019 due to property development objectives. Since the demolition in 2020, the site has been empty except for some material remains.

01 Brøndby Sticks

General Specs:

Application	Interior cladding
Standard Size	400 x 50 x 15 mm
Manufacturing Technique	Automated cut
Former Application	Exterior pavement
Reclaim Date	13.03.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Grout





02 Brøndby Colour Sticks

General Specs:

Application	Interior cladding
Standard Size	400 x 25 x 15 mm
Manufacturing Technique	Automated cut, coating
Former Application	Exterior pavement
Reclaim Date	13.03.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Grout, Mechanic

nimes hav blue

ørken red

light coral

03

General Specs:

Application	Interior tiles
Standard Size	400 x 140 x 20 mm
Manufacturing Technique	Automated cut
Former Application	Exterior pavement
Reclaim Date	13.03.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Grout, dfd

Material

Bricks
Carefully recrafted.

Our Brick Collection features bricks that have been damaged and grouted with cement, making them challenging to disassemble without causing further damage. We see potential in these imperfect bricks and aim to repurpose them in new and creative ways, such as flooring or interior wall cladding.
Drawing inspiration from various crafts, we apply innovative design techniques to transform these bricks, giving them a second life and a new function. Each piece in our Brick Collection is a testament to our commitment to sustainability.

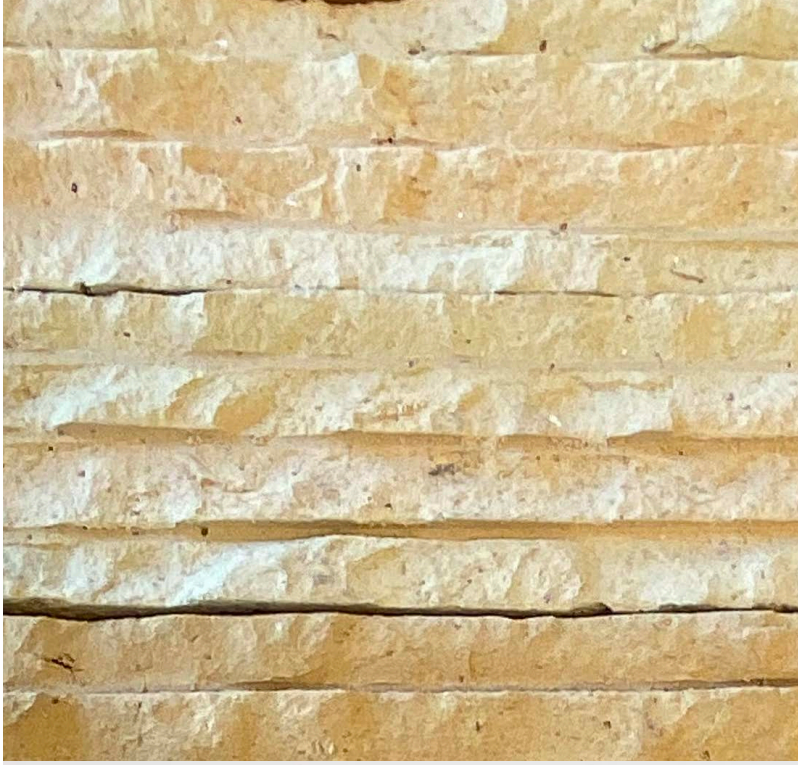
About the Material?

Bricks have been a fundamental element of construction for thousands of years. While their original purpose was to support the structural load of buildings, this role has changed over the years. Today, bricks are predominantly used as cladding, providing aesthetic cover rather than structural support. At ReCraft, we revalue damaged bricks through surface treatments and upcycling methods. In this way, we introduce these bricks back into the industrial cycle and allow them to shine in interior spaces as flooring and wall panelling.

01 Brøndby Klint

General Specs:

Application	Interior cladding
Standard Size	200 x 50 x 20 mm
Manufacturing Technique	Automated cut, hammered
Former Application	Exterior cladding
Reclaim Date	03.02.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Grout, Mechanic



02 Brøndby Ørken

General Specs:

Application	Interior cladding
Standard Size	100 x 100 x 20 mm
Manufacturing Technique	Automated cut
Former Application	Exterior cladding
Reclaim Date	03.02.2024
Carbon footprint A1-A3	0 kg CO2-eq/m²
Mounting	Grout, Mechanic

Embracing the rich cultural heritage of Danish architecture and its iconic use of brick, the Brøndby Ørken tile draws inspiration from the intricate ornamentation of the Brøndby Vester Church. This tile is crafted from reclaimed bricks, echoing the craftsmanship of traditional brick masons. Just as the church‘s ornamentation reflects the skill of the artisans, the Brøndby Ørken tile is adorned with precise, simple cuts, offering designers playful opportunities for creative expression. The natural red hue of the brick evokes the serene tranquility of a peaceful desert landscape.

To learn more about ReCraft and the products, or discuss a collaboration, please feel welcome to contact us:

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