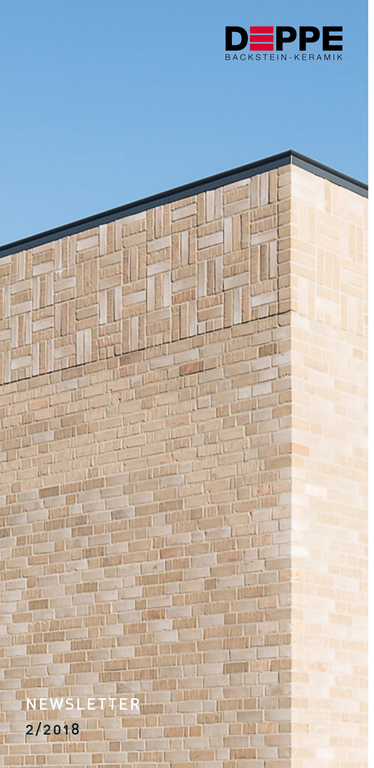


DEPPE
BACKSTEIN-KERAMIK

NEWSLETTER
2/2018

# BUILDING FOR THE FUTURE

## FOREWORD

What would an affordable, environmentally friendly building with outstanding liveability look like? Maybe like the Active House in Schiedam which allows architect Reimar von Meding and his family to live with zero energy costs and no fossil fuel use. The building's outer skin consists of a pale waterstruck brick. This gives the building a naturalistic feel when viewed from the outside, and – thanks to its robustness and long lifespan – is also an integral element of the sustainability concept.

As well as helping to create buildings which are fit for the future, our long-term objective for our brick is to make the production process for this building material as environmentally friendly as possible. That's why we're taking part in experiments on carbon-neutral firing of structural clay products. Although there's still some way to go before carbon-neutral firing can be used for routine production, we have nonetheless taken an important first step in this direction.

But it's not just environmental awareness that's constantly on the up at Deppe – so too are our production volumes. To keep up with rising demand, we are putting a second kiln into operation this year and are looking forward to working with planners, architects and clients on big projects all over Europe.

We hope you enjoy this fifth edition of our newsletter!

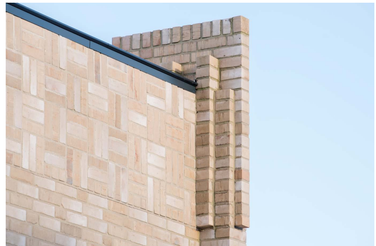
Dr. Dirk Deppe  Bernd Deppe

# NATURAL, SUSTAINABLE, DUTCH

## ACTIVE HOUSE IN SCHIEDAM

In their Active House in Schiedam, in the Netherlands, architect Reimar von Meding and his family enjoy a life with zero energy costs and no fossil fuel use. Built in 2016 on the site of a former hospital, with its pale brick facade the house adds a vibrant, stylish mix of Art Deco and brick architecture to the built environment here in Schiedam. The simple, stripped back architectural style is reinforced by the hard, clear brick, but at the same time given a lighter feel by the unusual way the brick is used. Visible production and processing marks add variety to the detail of the cream-coloured bricks and give rise to a variety of colour tones. The irregular bond in which the waterstruck bricks have been laid gives the facade a vibrant look and conveys a natural, almost clay-like materiality, reinforced by the decorative bond below the attic. In this part of the facade, the house's crowning glory, the bricks are arranged in a basketweave bond made up of groups of three vertical and three horizontal bricks, creating a three-dimensional, woven look.

Project information
**Completion**
November 2016
**Total construction cost**
€ 281,000
**Floor area**
Gross floor area 732 m²
**Client**
Reimar von Meding
**Architecture**
KAW | Reimar von Meding
**Material**
3504wek
**Photographs**
Ossip van Duivenbode



# TIMELESS LIVING

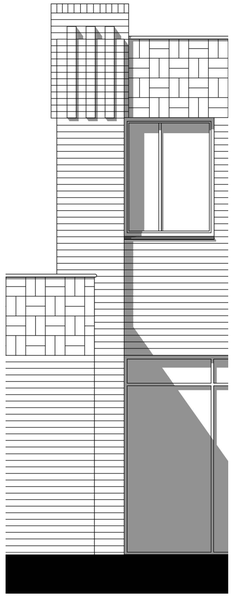
## REIMAR VON MEDING, KAW

Reimar von Meding, architect and managing director at KAW, with offices in Groningen, Rotterdam and Eindhoven, takes a special interest in the idea of sustainable, affordable city housing. The Active House he has built for his family in Schiedam is a prime example.

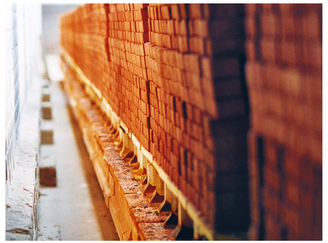
**What requirements did you have for the design?**
First and foremost we wanted to design a house where we could live the way we wanted to live. We wanted it to produce more energy than it consumed, so we were keen to work with high quality, environmentally-friendly materials. We also wanted to be able to take ideas and insights from the design of the building for use in our regular work at KAW, which is concerned with responsible housing construction.

**What challenges did you face?**
We wanted to design a technically flawless, modern, open building, which radiated craftsmanship and beautiful details. The difficulty was meeting specifications in areas such as thermal bridges, the supporting structure and the various utility connections in a way which was clean and aesthetically satisfying.

**Why did you choose Deppe bricks?**
We started out looking for a beautiful, hand-formed brick, which we wanted to be hard and clear, but to offer variability when viewed in detail. The team at Deppe developed just such a brick for us. With visible production and processing marks, the brick gives the facade a highly individual look. It was also important for us to work with a partner who understood our exacting architectural standards, thereby ensuring that the logistics during development and execution went off without a hitch and that the execution was aesthetically flawless.



Detail of the facade



## DEPPE BACKSTEIN
### DIE ZIEGELMANUFAKTUR

We have been developing and manufacturing bricks in a wide variety of formats and designs since 1888. For us, team spirit, responsibility and customer satisfaction are of the highest priority. With our 60-strong team, we support architects, planners and builders at all stages of the building process, from start to finish. What makes us stand out is individual advice, innovative ideas, custom production runs and reliable logistics. With flexibility and exacting quality standards, we help you realise even the most unusual designs. We love a challenge, so contact us today!

**Deppe Backstein-Keramik GmbH**
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## DEPPE RESEARCH
### CARBON-NEUTRAL FIRING

As well as helping clients and architects erect beautiful buildings which will last for many, many years, our long-term objective for our brick is to make our brick production as environmentally friendly as possible. That's why in recent months we have been working with project partners on a series of experiments on reducing primary energy use in brick kilns. These experiments have shown that wood can be used as a fuel for tunnel kilns, but is difficult to dry correctly, whereas syngas, produced from wood gasification, is easier to feed into the kiln. Thermochemical conversion of wood is, therefore, one option for converting this renewable energy source into a form that can be used in a tunnel kiln. This would allow primary energy use to be reduced by up to 100%. Ideally, the process would not release any CO2 from primary energy sources. Our goal is to develop a carbon-neutral firing process for all ceramic product types.

## DEPPE BRICK GARDEN
### NEW ARCHWAY DESIGN

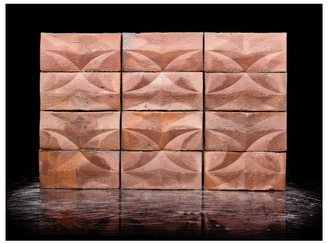
Having completed the partial modernisation of the office and showroom space at the Deppe brickworks site, we want to revamp the outside space. To ensure design excellence, we elected to collaborate with TU Dortmund University. Under the supervision of Prof. Paul Kahlfeldt, Iris Frieler and Kay Becker, architecture students at the University were tasked with developing ideas for the exterior space which would allow us to showcase a wide range of Deppe bricks. All ten designs were highly impressive, and four were awarded a prize by the Deppe team. The winning design was by Pia Sendfeld and Anna Brendel and is based on a variety of brick types, individual special shapes and intricately crafted details, and consists of a series of brick archways arranged in a Fibonacci spiral, through which visitors can walk at their leisure.

## DEPPE ON TOUR
### ON-SITE TALK IN BOCHUM

In early 2017, the Anneliese Brost Musikforum Ruhr became the new home of the Bochum Symphony Orchestra and the city's Academy of music. Construction of the Musikforum has also brought the deconsecrated St Mary's Church back into the heart of the city's social life. The building was designed by Thorsten Kock of architects Bez + Kock, and we were delighted to join him in hosting a special on-site talk in this stunning space to explore the Musikforum's outstanding features, in particular the facade. The small, invited group of interested architects and planners enjoyed an intense and stimulating discussion. We will be looking to run events like this regularly in future, so you can meet the architects of selected buildings, explore the design ideas behind them and experience facade-design with brick on-site.

## FRESH FROM OUR KILNS
### INDIVIDUAL MOULDINGS

The brick pictured is a waterstruck 3570, standard format, turned so that the base is facing forwards. To create the relief on the base of the brick, we modified the waterstruck mould. This technique can be used to produce a huge variety of patterns and with any waterstruck brick, producing a highly individual appearance. Whether used for part or all of a facade, the ornamental bricks create a unique aesthetic for sophisticated architecture. If you're interested in working with customised ornamental bricks, please get in touch!



## AMSTERDAM SCHOOL
### APARTMENT BLOCK SQUARE

Designed by LEVS Architecten, Amsterdam now has a new apartment building with 111 apartments. With mostly young occupants and a restaurant, the compact five to eight-storey building has become a lively centre point for the district. From the outside, Square conforms very much to the tradition of the Amsterdam School – the classical modern Dutch architectural style also known as brick expressionism. The facade is dominated by projecting balconies and a waterstruck brick ranging in colour from yellow to sand-coloured. Anthracite-coloured windows with vertical red brick accents give the facade rhythm and structure. In addition, slim concrete facade elements create a degree of depth. Despite the bold massing and the uniformity of the window layout the building has an air of vibrancy.

Project information
**Completion**
May 2016
**Client**
Wonam, Amsterdam
**Architecture**
LEVS Architecten
**Material**
Waterstruck, 1580 WF, yellow-sand-coloured
**Photographs**
Marcel van der Burg