

**CLAYTEC**<sup>®</sup>

Building with Clay

Clay building  
materials from  
CLAYTEC

Making it  
your home.



traditional  
purist



sensitive  
timeless  
classic



**CLAYTEC**<sup>®</sup>

Building with Clay

alive  
urbane  
elemental  
modern

Clay. A building material  
that's as alive as you are.

Clay building materials are real all-round talents!

One of the oldest building materials in the world, clay is a real all-rounder. Over the course of time, our engineers at CLAYTEC have developed a wide range of options for designing, shaping, and finishing clay surfaces.

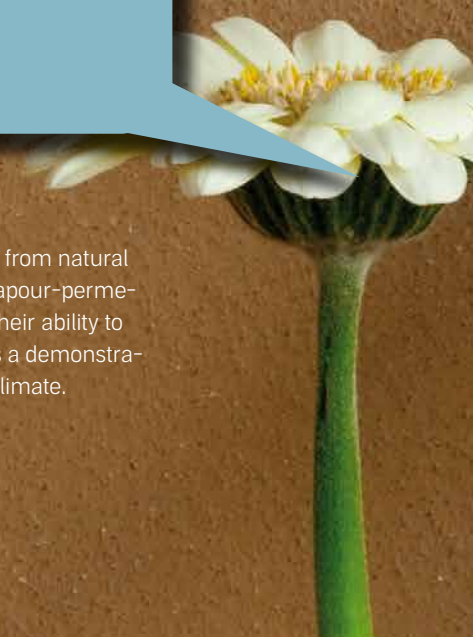
All the ingredients for our clay building materials are extracted, collected, and manufactured in local warehouses and production facilities. None of the components are chemically produced or treated.

Building with clay is eco-logically sustainable!

Clay plasters are breathable

CLAYTEC clay plasters are made from natural ingredients. Their surfaces are vapour-permeable, and therefore breathable. Their ability to buffer atmospheric moisture has a demonstrably positive effect on the indoor climate.

Why build with clay?  
Here's why!



**CLAYTEC**<sup>®</sup>  
Building with Clay

Clay plasters are resilient and easy to repair!

CLAYTEC clay plasters are robust and durable. But if any repairs are ever necessary, the material can easily be softened and patched up with plain water.

Clay building materials create a healthy indoor climate

Clay plasters do not release any hazardous chemicals into the ambient air. On the contrary: they absorb smells and have a high capacity to counteract indoor humidity. Heavy clay panels even out temperature fluctuations. That's clay!



## Living in **period buildings**

Good things always improve over time.

Where people with experience, expertise and a sense of responsibility do the building work, they create something quite special. That's why some buildings created in the past continue to radiate a rather special magic to this day. 'Period buildings' are a precious legacy.

Clay is THE historical, authentic building material par excellence. It's even the material from which the oldest, fixed, man-made buildings were constructed.

Over 30 years ago, CLAYTEC was one of the first companies to dedicate itself to rediscovering and refining clay to produce a classic, yet future-oriented building material. Right up to today, the products and techniques developed by CLAYTEC have left their mark on the whole clay construction industry.

The use of natural, traditional additives, such as straw, makes clay plasters easily workable.

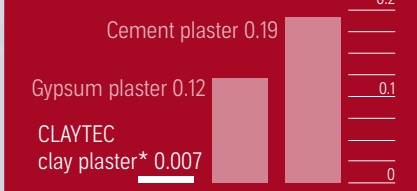




### Improved climate protection

Make your contribution to the environment: hardly any CO<sup>2</sup> emissions are released during production and processing.

Figures: kg CO<sup>2</sup> equivalent per kg plaster mortar



\*earth-moistened; source: UPD Draft U11, Dipl. Econ. Manfred Lemke

# Living in period buildings

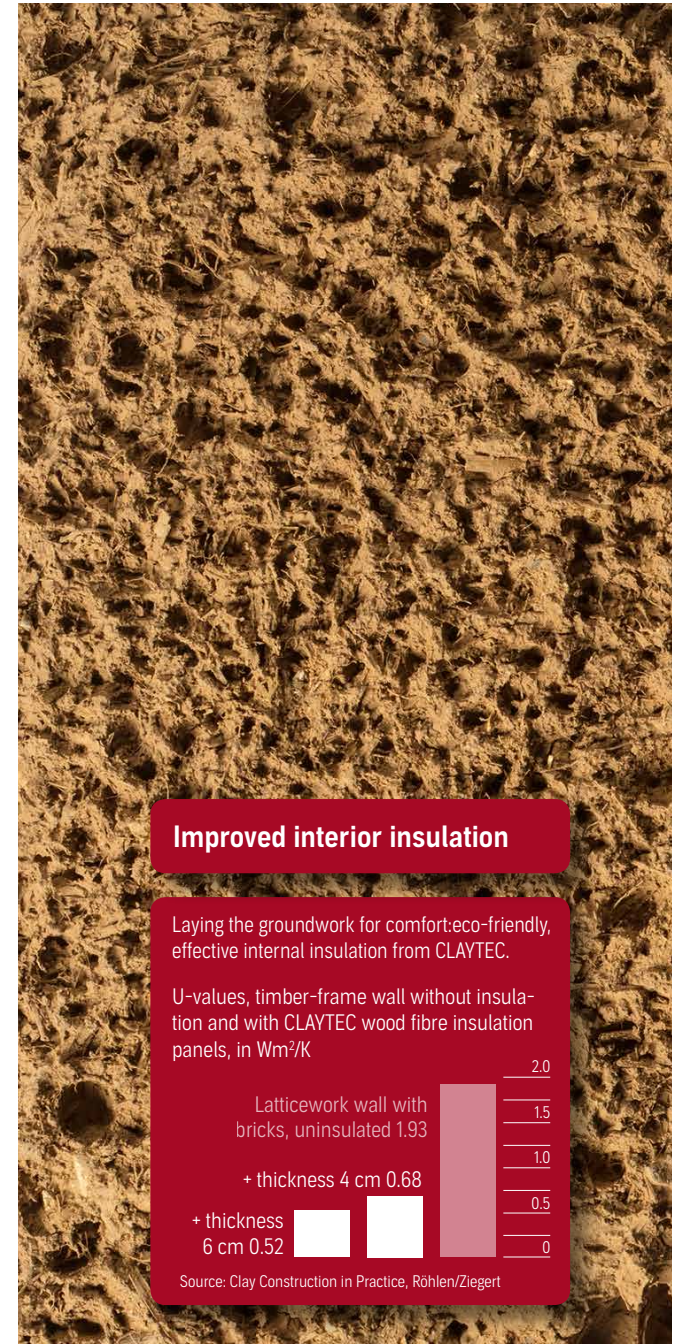


Our specialist brochures on timber-frame building and modern wood construction provide you with all the necessary information on using CLAYTEC clay building materials. You can download them as PDFs at: [www.claytec.de](http://www.claytec.de)

## Turning timelessness into an asset

Period buildings are individual and challenging. CLAYTEC's product solutions have been thought out just as carefully. Our techniques have historical roots and are constantly being refined. At the same time, CLAYTEC is constantly developing new products and processes. Which means that your historic home stays authentic, and meets modern challenges at the same time! CLAYTEC is happy to help you with advice on materials and searching for a competent trade partner. You can find all the information at: [www.claytec.de](http://www.claytec.de)

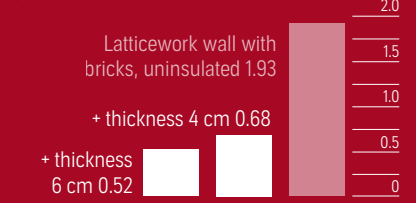




**Improved interior insulation**

Laying the groundwork for comfort:eco-friendly, effective internal insulation from CLAYTEC.

U-values, timber-frame wall without insulation and with CLAYTEC wood fibre insulation panels, in Wm<sup>2</sup>/K



Source: Clay Construction in Practice, Röhlen/Ziegert



Constructing new buildings with clay

Live your own dream.  
Starting from scratch.

Clay is a modern building material! Totally unique when it comes to new, eco-friendly thinking and building. There's no other material that allows you to build in such a sustainable, healthy way as CLAYTEC clay building materials.

We offer a carefully thought-out system for building modern wall structures, plus rendering and finishing plasters. But housing is also a matter of visuals: CLAYTEC produces brilliant coloured plasters made of clay, with an elegant look and feel. And they don't contain any added colours or pigments. Even though CLAYTEC was the first producer to bring something very special to market several years ago: pure white clay plaster!



One of the most elegant ranges of coloured finishing plasters: YOSIMA clay design plasters. You can find information on them at: [www.yosima.de](http://www.yosima.de)



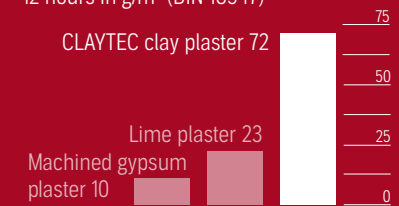
More than just a background: clay in white

Bring out highlights: YOSIMA clay design plaster

### Improved indoor climate

CLAYTEC clay plasters effectively absorb atmospheric moisture and release it again at an even rate.

Atmospheric moisture absorption after 12 hours in g/m<sup>2</sup> (DIN 18947)



Source: Eckermann/Ziegert

# Constructing new buildings with clay



Incredible but true: rammed earth can be prefabricated in the form of sectional elements!

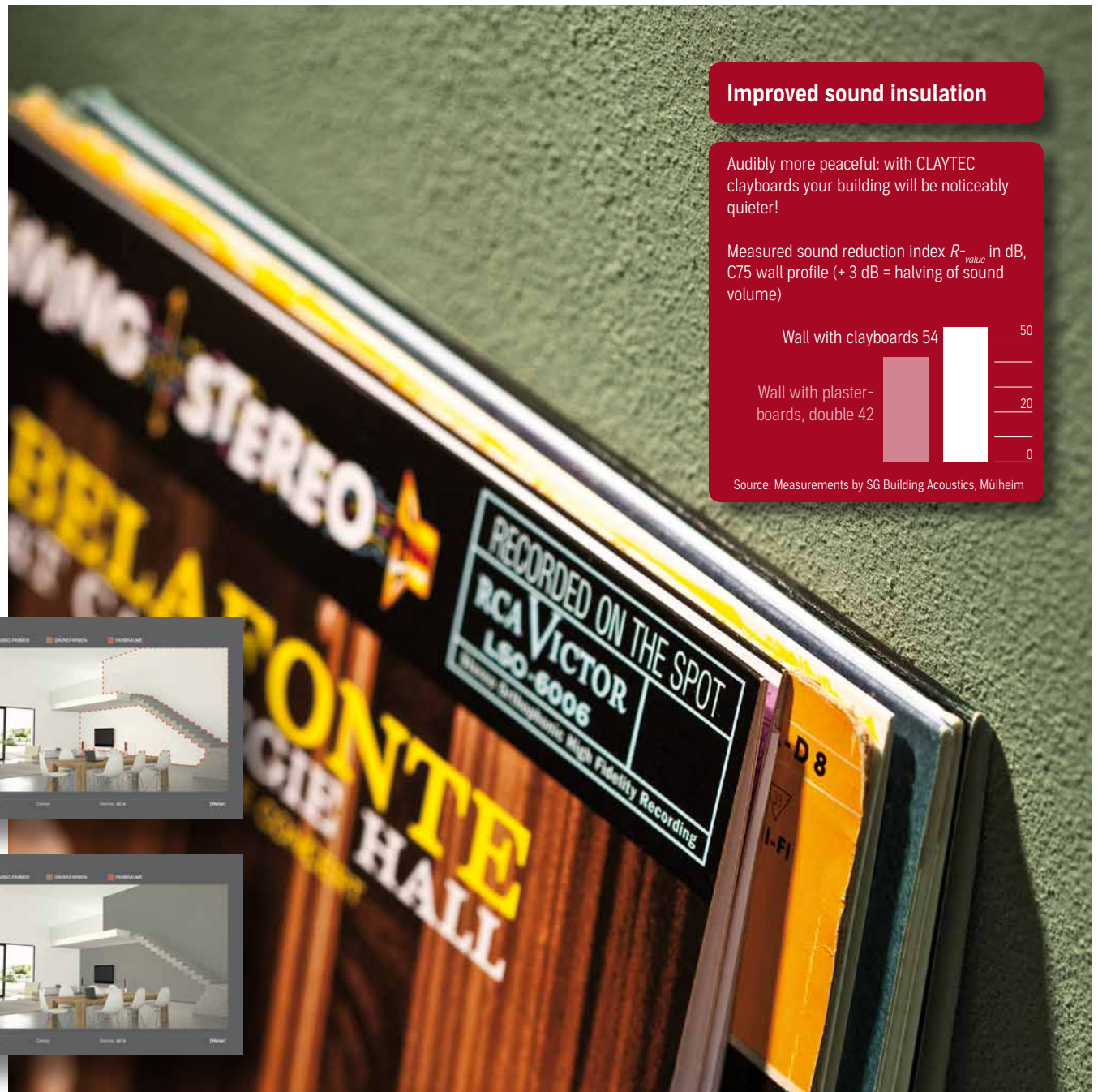


## Growing along with you: infinite versatility.

Clay is a primordial, natural material. What you do with it is crucial to its effect. You can adapt your home to your personal needs and give it an individual atmosphere with clay plasters. Perhaps you find it particularly appealing to highlight certain features with forms and colours. In whatever style you like, from purist to playful.

## The YOSIMA room designer

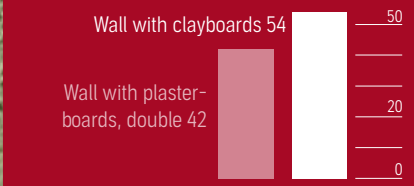
CLAYTEC has developed an online tool that can help you with your planning: the YOSIMA room designer. Simply by clicking on the mouse, you can colour three different room set-ups in whatever way you like. You'll find the room designer at [www.yosima-raumdesigner.de](http://www.yosima-raumdesigner.de)



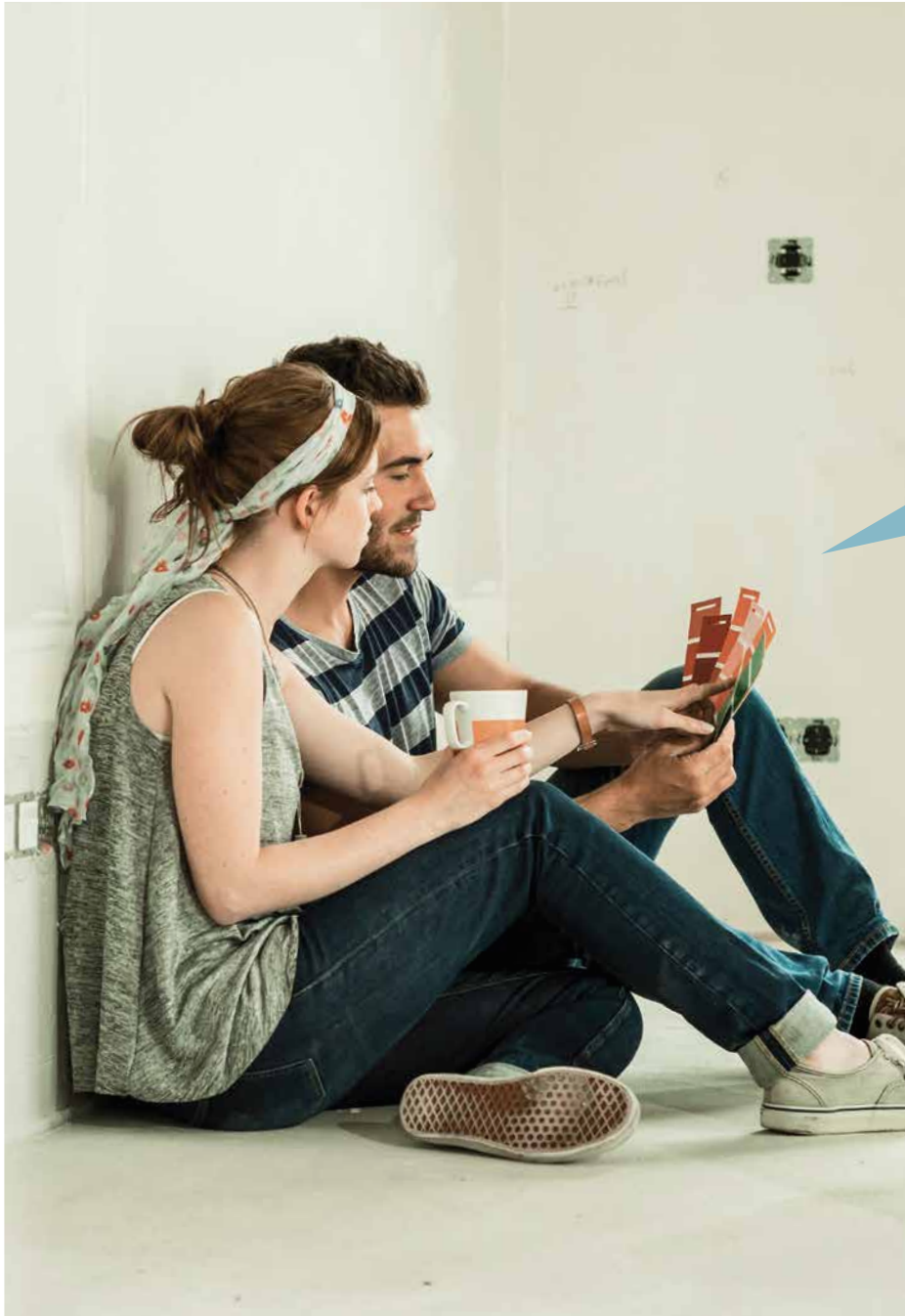
## Improved sound insulation

Audibly more peaceful: with CLAYTEC clayboards your building will be noticeably quieter!

Measured sound reduction index  $R_{-value}$  in dB, C75 wall profile (+ 3 dB = halving of sound volume)



Source: Measurements by SG Building Acoustics, Mülheim



# Renovating with clay

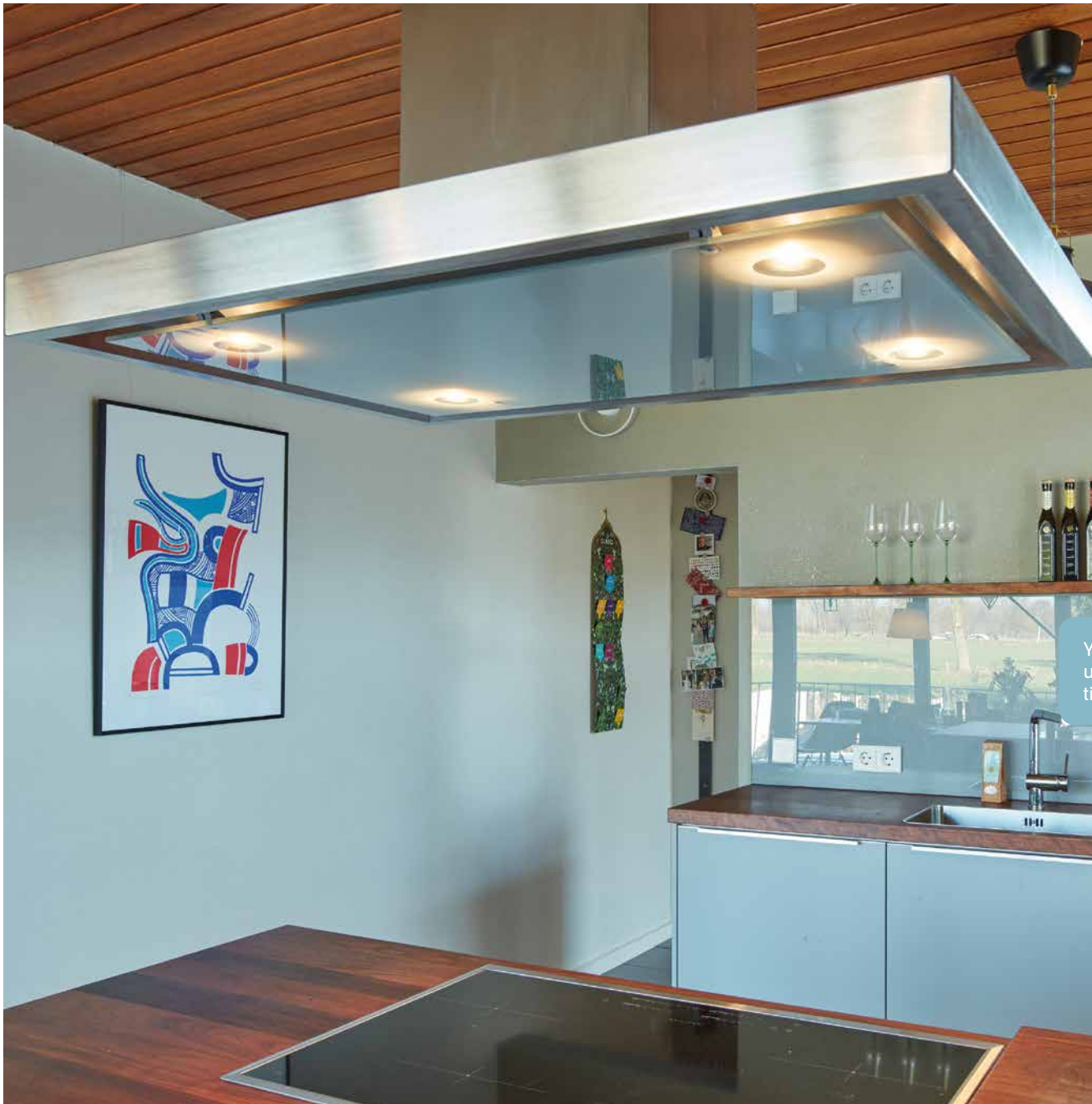
Think ahead,  
act sustainably

Would you like a clay ambience with minimal effort? No problem! Clay plaster can be applied at a thickness of only 2 mm on nearly all surfaces, with a minimal preparation!

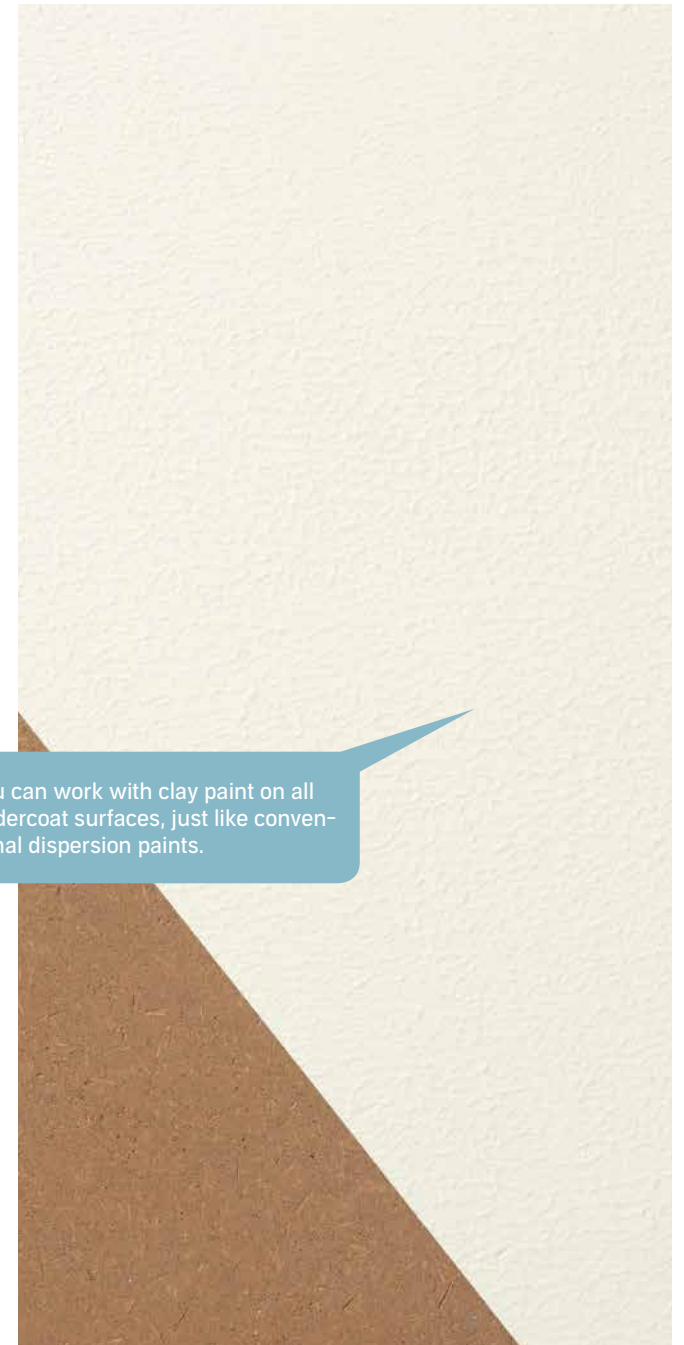
If you want to keep things even simpler: using clay paints and brush-on plasters, you can quickly give your house or flat that harmonious, earth-colour touch. Even if you're only a DIY clay artist!

Clay paint can either be applied with a brush or – particularly economically – sprayed on airlessly.





You can work with clay paint on all undercoat surfaces, just like conventional dispersion paints.



# Renovating with clay

By waxing the surface, you can use clay paints in wet areas without any problems.





## A question of trust

Over more than 30 years of company history, CLAYTEC has invested a great deal of work and passion into its products. The final result awaits you: reliable building materials that work. But CLAYTEC goes further, and repeatedly puts the status quo to the test. The company is involved with the umbrella association Lehm e.V. (DVL), and helped to create the product standards for clay building materials at the German Institute for Standardisation (DIN).

It shouldn't be forgotten that, as early as 1997, CLAYTEC was awarded the German Prize for Conservation and Preservation for its commitment to preserving the German timber-frame environment.



Deutsches Nationalkomitee  
für Denkmalschutz



Dachverband Lehm e.V.



CLAYTEC products can be found all over Germany and most European countries. We have an extremely well-developed network of craftsmen, distributors, and online shops. It is constantly growing and being updated. For up-to-date information, visit our website at **[www.claytec.de](http://www.claytec.de)**

Our competent service staff are also happy to help by talking to you personally. Feel free to call us!

Where can I obtain clay building materials from CLAYTEC?

[www.claytec.de](http://www.claytec.de)



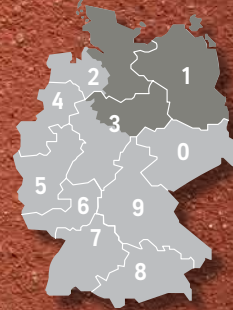
If you want to contact us directly, or are looking for more information:  
**[www.claytec.de/de/Unternehmen/kontakt](http://www.claytec.de/de/Unternehmen/kontakt)**

If you'd like to get in touch with one of our sales or trade partners:  
**[www.claytec.de/de/fuer-bauherren/haendlersuche](http://www.claytec.de/de/fuer-bauherren/haendlersuche)**

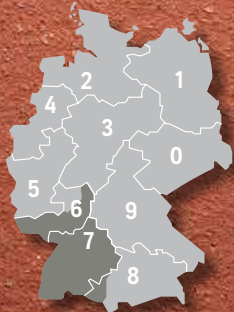
# Your contact partners:



WEST  
**Roland Trotzke**  
Technical advice  
Support CO\*  
Mobile **0176 111 918-17**  
r.trotzek@claytec.com



NORTH-EAST  
**Wolfgang Milarch**  
Technical advice  
Support CO/ST/ARCH\*  
Mobile: **0176 111 918-14**  
w.milarch@claytec.com



SOUTH-WEST  
**Philipp Meier**  
Technical advice  
Telephone: **02153 918-24**  
p.meier@claytec.com



EAST  
**Gerrit Wolf**  
Technical advice  
Support CO/ST/ARCH\*  
Mobile: **0176 111 918-12**  
g.wolf@claytec.com



SOUTH  
**Philipp Meier**  
Technical advice  
Telephone: **02153 918-24**  
p.meier@claytec.com



INTERNATIONAL  
**Maximilian Breidenbach**  
Advice and support  
Telephone: **+49 2153 918-12**  
m.breidenbach@claytec.com

\*COMMERCIAL, SKILLED TRADES, ARCHITECTS

**CLAYTEC e.K.**

Nettetaler Strasse 113  
D-41751 Viersen, Germany

Telephone: +49 (0)2153 918-0  
Fax: +49 (0)2153 918-18

E-mail: [service@claytec.com](mailto:service@claytec.com)

[www.claytec.de](http://www.claytec.de)

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**Advice in Austria:**

**CLAYTEC Lehmbaustoffe GmbH**

Stranach 6  
A-9842 Mörtshach, Austria

Telephone:  
+43 (0)316 333 128

E-mail: [info@claytec.at](mailto:info@claytec.at)

[www.claytec.at](http://www.claytec.at)

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