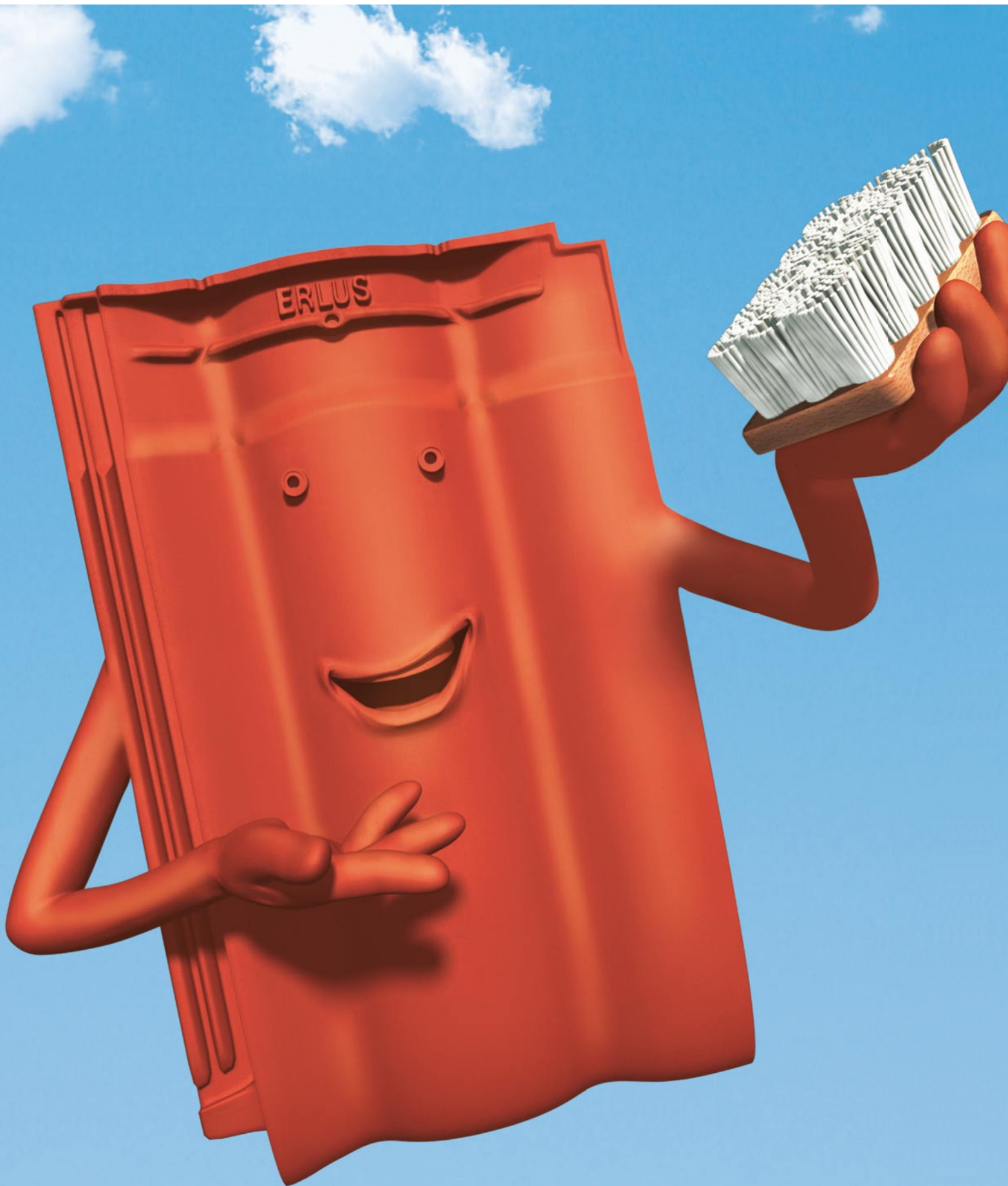
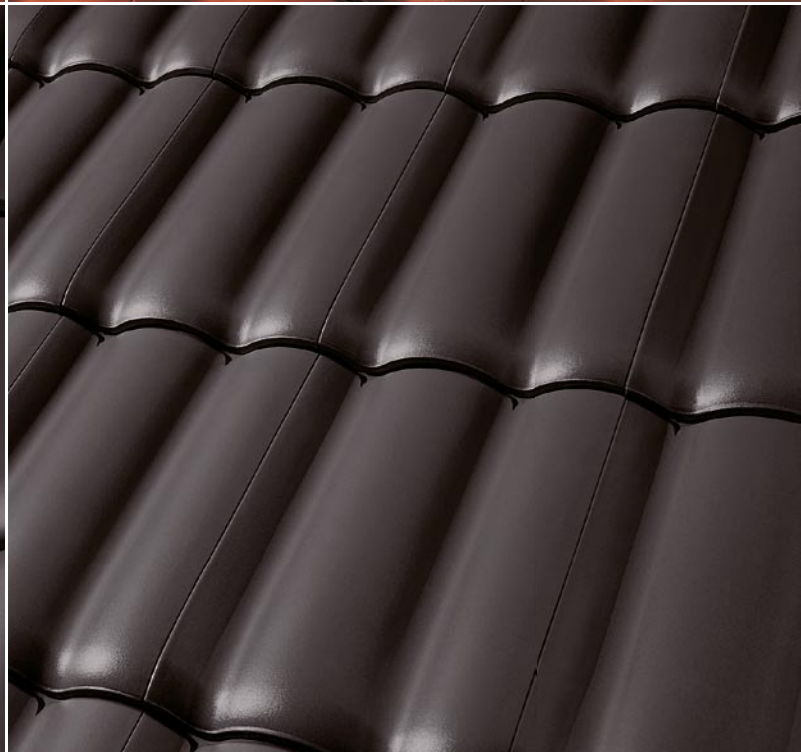
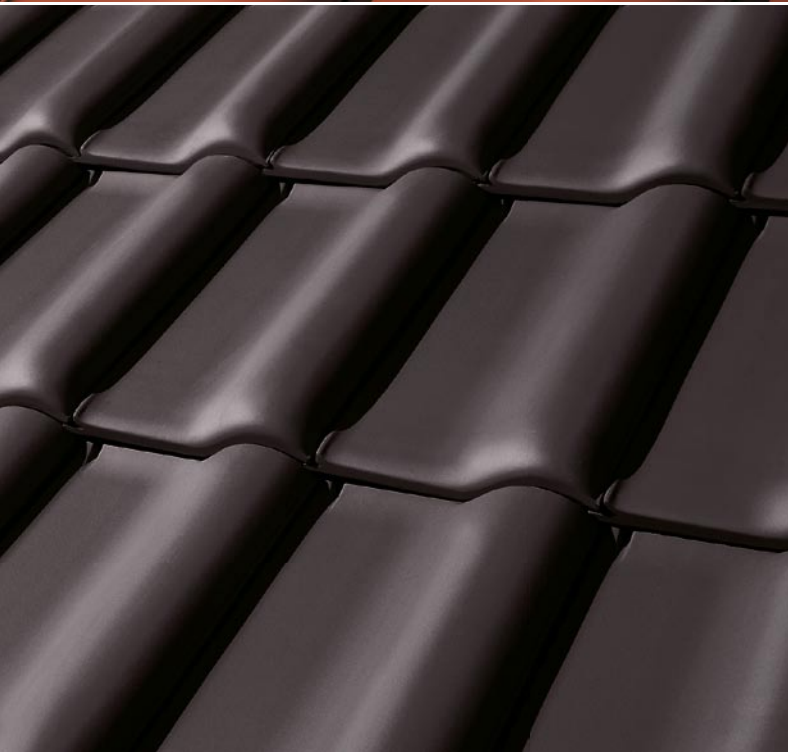
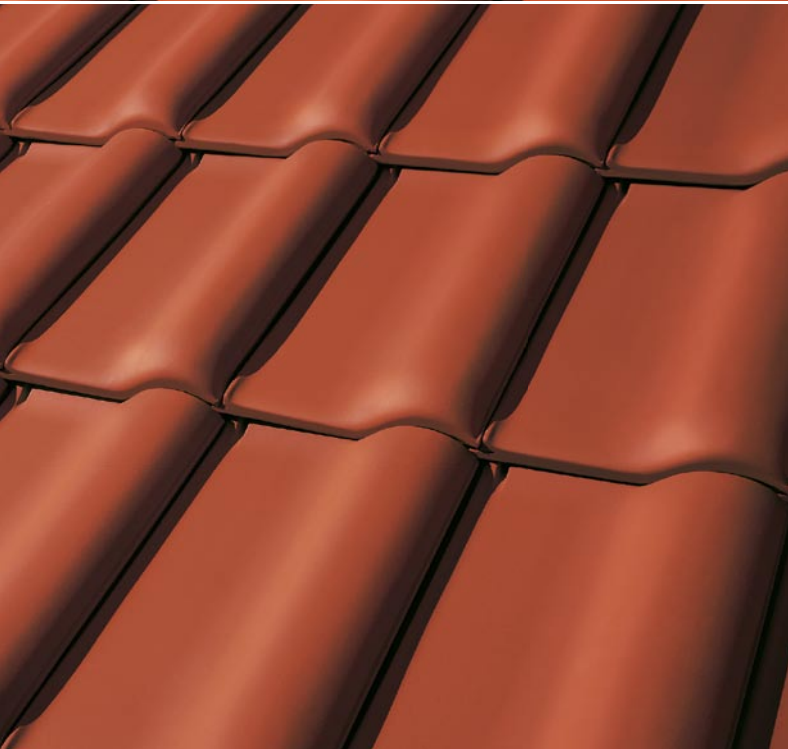


Erlus Lotus® | The first self-cleaning clay roof

ERLUS^e





Erlus Lotus® | High-tech Protection against Dirt

Roof tiles are exposed to extreme weather conditions every day and are also an ornamental feature of a house. Apart from their purely functional purpose, the aesthetic requirements of roofs have risen significantly in recent years. Nowadays, the roof, the “fifth façade” of a house, also needs to be attractive in the long term. Clay roof tiles are the best choice for fulfilling these requirements.

Produced using one of the oldest and most natural roofing materials, they possess a unique combination of favorable properties: they are cold and climate-proof, offer outstanding soundproofing compared to metallic roofing and are excellent in holding their value.

However, in addition to these natural properties, the surface of the clay tile roof is critical to its appearance. The self-cleaning technology of Erlus Lotus® offers special protection for this.

The etched surface finish of Erlus Lotus® clay roof tiles destroys organic dirt particles such as fat deposits, grime, moss and algae using sunlight. Rain washes the tiles clean. In this way, the Erlus Lotus® clay roof stays clean for years compared to conventional roof tiles.

As you can see, we at Erlus do our best to ensure that the “fifth façade” of your house retains its original character, even for years.



“Hello, I’m the Erlus Lotus® clay roof tile, the first self-cleaning clay roof ...



... I stay clean for years compared to conventional roof tiles ...



... The principle of Erlus Lotus® is revolutionary! My etched surface finish ...



... destroys organic dirt particles such as fat deposits, grime, moss and algae using sunlight. Rain washes them away.”

- ◀ Fig. top left: Ergoldsbacher E 58/E 58 MAX® in Lotus Red
- Fig. top right: Ergoldsbacher Forma® in Lotus Red
- Fig. centre left: Ergoldsbacher E 58/E 58 MAX® in Lotus Brown
- Fig. centre right: Ergoldsbacher Forma® in Lotus Brown
- Fig. bottom left: Ergoldsbacher E 58/E 58 MAX® in Lotus Black
- Fig. bottom right: Ergoldsbacher Forma® in Lotus Black

In its TV advert, **the talking Erlus Lotus® clay roof tile** gives a friendly explanation of how an Erlus Lotus® clay roof cleans itself.

Erlus Lotus® – The first self-cleaning clay roof: it stays clean for years compared to conventional roof tiles. The principle is revolutionary: The etched surface finish of Erlus Lotus® clay roof tiles destroys organic dirt particles such as fat deposits, grime, moss and algae using sunlight. Rain washes them clean. Naturally, this does not apply to opaque objects such as leaves or branches.

■ Erlus Lotus® achieves optimal results at temperatures of 10°C or higher.

■ Erlus Lotus® already functions starting from a roof pitch of 20°.

■ The roof does not have to face any particular direction, because Erlus Lotus® reacts to an incidental light level of just 30% of average natural daylight.*

■ Erlus Lotus® is based on the testing norms currently being developed for self-cleaning surfaces on a worldwide basis. On the basis of these examinations a decomposition performance of 0.1 µm per day at an average natural daylight is presently yielded for Erlus Lotus® as far as soot, fat and oil films are concerned.*

■ Erlus Lotus® tiles must be treated, handled, transported and processed like encaustic tiles from Erlus. However, they should be cut wet to prevent fine dust from being etched in. It is also advisable to prevent contact with cleaning agents, silicones and halogen-containing materials as these can affect the self-cleaning ability of the tiles. If a high-pressure cleaner is used to remove leaves or branches, maintain a distance of around 50cm from the roof surface and a maximum pressure of 80 bar.

* corresponds to a power of radiation of 10 W/m² UVA in Central Europe

Erlus Lotus® Available Products

Ergoldsbacher Interlocking tile E 58/E 58 MAX® and Ergoldsbacher Forma® are each available in the colours Lotusred, Lotusbrown and Lotusblack.

- Standard tile 1st assortment
- Verge tile right or left
- Ridge connection tile or ridge connection sliding tile
- Ridge connection verge right or left
- Ventilation tile
- Pent verge tile right or left (only for E 58/E 58 MAX®)

Recommended ridge tiles:

- Ridge tile no. 15 (CL approx. 38 cm), ridge end tile no. 15 and ridge compensation tile no. 15
- Ridge tile no. 18 (CL approx. 37 cm), ridge end tile no. 18 and ridge compensation tile no. 18
- Ridge ventilation tile no. 19 with stub (CL approx. 36 cm), up to 10 m rafter length and up to 45° roof pitch
Ridge ventilation beginner tile no. 19
Ridge ventilation end tile no. 19

The Erloton merchandise may be seen in the standard range of products.



The Erlus AG won the MATERIALICA Design Award for ERLUS LOTUS®, in the category „Material“. The Award is rewarded by Munich Expo GmbH and organized by International Forum Design (iF).

The following brochure is a translation from the German language. Since differences may occur due to language-based interpretation, we explicitly indicate that only the original German content is binding. When in doubt, the DIN EN 1304 regulation shall always apply.

© ERLUS AG 2008. All rights reserved. These copyright protected documents may – even in part – only be copied, modified or transmitted in any form or medium or be saved in a database or other data storage system with the prior consent of ERLUS AG. Any usage without prior consent counts as a breach of the respective copyright terms.

Technical Data	E 58	E 58 MAX®	Forma®
Size:	approx. 26,0 x 42,0 cm	approx. 29,0 x 46,5 cm	approx. 29,5 x 46,5 cm
Coverage length:	ø 34,0 cm	ø 38,5 cm	ø 38,5 cm
Coverage width:	approx. 33,8 – 34,3 cm	approx. 38,1 – 38,8 cm	approx. 37,7 – 39,7 cm
Requirement per m²:	approx. 20,2 cm	approx. 22,7 cm	approx. 25,5 cm
Weight per piece:	approx. 14,5 tiles	approx. 11,5 tiles	approx. 10 tiles
Weight per m² incl. lathing acc. to DIN 1055:	approx. 3,1 kg	approx. 3,7 kg	approx. 4,0 kg
Real weight:	approx. 0,55 kN/m ²	approx. 0,55 kN/m ²	approx. 0,55 kN/m ²
	approx. 45 kg/m ²	approx. 42,5 kg/m ²	approx. 40 kg/m ²

