

BÖGER®

SYSTEM CLINKER



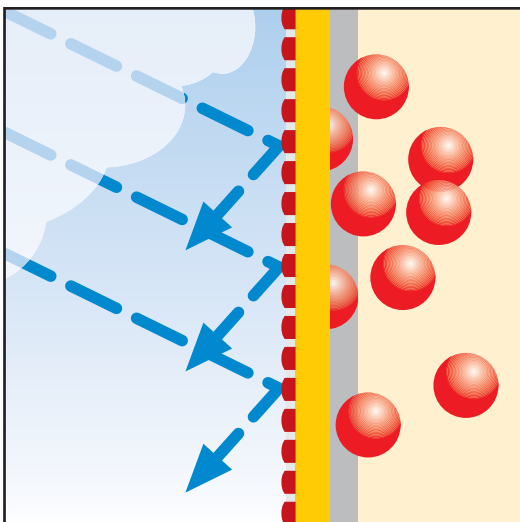
Energy-saving system
according to the new
German Federal Construction
Ministry's thermal
insulation regulations.

Post-construction, foundation-free insulating clinker
Maintenance-free, full thermal insulation for generations to come

■ This characterisation applies equally to both clinker façades and architecture. Clinker façades have been a model of natural beauty and craftsman's skill for hundreds of years. Böger System Clinker unites the benefits of a beautiful look with thermal insulation.



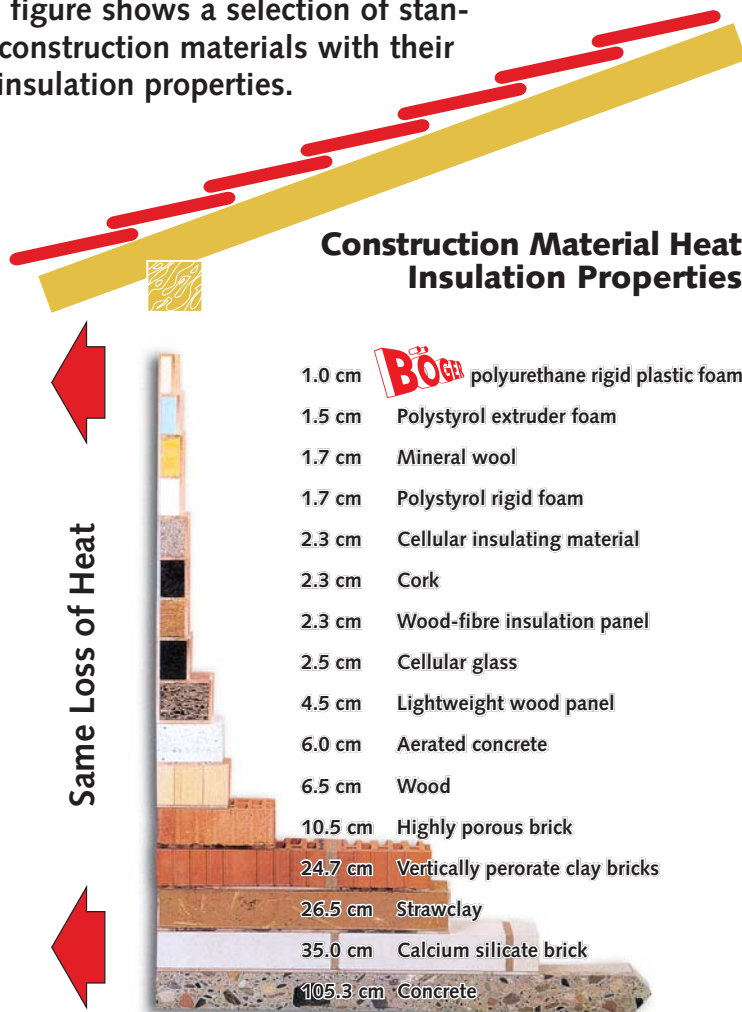
■ Whether for old or new houses, or even for prefabricated ones. No matter whether you want to modernise or change the look, or just wish to make your house more beautiful. Böger System Clinker is suitable for every type of home.



Böger System Clinker prevents the build-up of dew, condensation and rot. The system is permanently and absolutely maintenance-free, secure against rain and yet still capable of breathing. During the winter months the heat flowing from inside to outside, and vice-versa in summer, is clearly delayed.

The consequently designed combination of real branded clay facing bricks and rigid polyurethane plastic foam insulation makes Böger System Clinker products representative of the ideal physical principle of exterior insulation in construction.

■ The figure shows a selection of standard construction materials with their heat insulation properties.



1 cm of Böger polyurethane rigid plastic foam has the same heat-insulation quality as 105.3 cm concrete wall.

Following the introduction of the Energy Savings Regulations in Germany (EnEV), applicable from February 1, 2002, the goal is to reduce the consumption of energy used for heating and, as such, the output of CO₂ so damaging to the environment even further. Polyurethane rigid plastic foam presently disposes of the lowest thermal conduction capability of any type of insulation material used in construction.

Which is why Böger System Clinker achieves optimum heat-insulation values, even when the thickness of the panel is narrow.

Polyurethane rigid plastic foam has proven itself in practice over decades under extreme climatic conditions and at different locations in the world.

Polyurethane rigid plastic foam is a modern insulating material which fulfils all the required technical and physical standards in construction.

■ Heating cost savings of up to 50% with Böger System Clinker.

Compound Construction Material	Wall Thickness	Existing U-Value in	U-Value reached with 40 mm Böger System Clinker	U-Value reached with 60 mm Böger System Clinker	U-Value reached with 80 mm Böger System Clinker	U-Value reached with 100 mm Böger System Clinker
Thickness in kg / m ³	in mm	W / m ² K	W / m ² K	W / m ² K	W / m ² K	W / m ² K
Calcium silicate brick 1.600	240	1.44	0.69	0.47	0.36	0.29
	300	1.23	0.64	0.45	0.34	0.28
Porous Concrete Blocks PPW 500	240	0.58	0.43	0.34	0.27	0.23
	300	0.48	0.39	0.31	0.26	0.22
Concrete 2.200	240	3.02	0.92	0.57	0.41	0.32
	300	2.79	0.91	0.56	0.41	0.32
Hollow block brick 1.400	240	1.20	0.63	0.44	0.34	0.28
	300	1.02	0.58	0.42	0.33	0.27
Solid Clay Brick V-clay brick 1.600	240	1.44	0.69	0.47	0.36	0.29
	300	1.07	0.59	0.43	0.33	0.27
Poroton brick	240	0.52	0.37	0.30	0.25	0.21
	300	0.42	0.32	0.27	0.23	0.20

Conditions are 2 cm chalk-cement plaster indoor and 2 cm chalk plaster on exterior wall.



■ Böger System Clinker offers a multitude of colours, formats and structures...



3721 Pear White
(thin format, stretcher bond)



2140 New White
(thin format, stretcher bond)



2116 Rustic New White
(thin format, stretcher bond)



2240 Scarred Yellow
(thin format, stretcher bond)



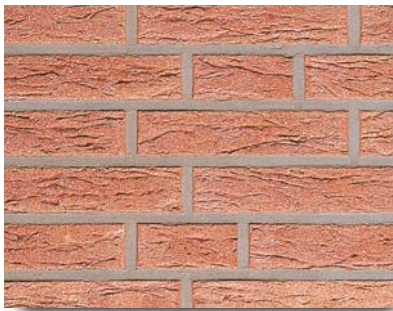
2217 Rustic Yellow
(thin format, stretcher bond)



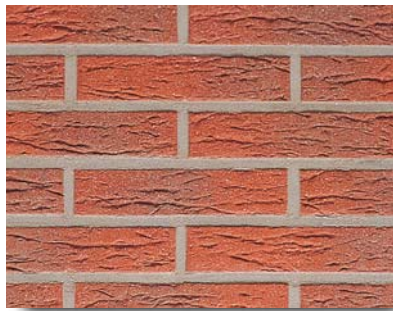
6287 Old-German, Rustic Yellow
(reich format, stretcher bond)



... and completely naturally matching the look of every building style.



2215 Antique Bronze
(thin format, irregular bond)



2335 Colourfully Flamed Red
(thin format, stretcher bond)



2436 Flamed Antique Red
(thin format, stretcher bond)



2337 Antique Red Copped Flame
(thin format, stretcher bond)



2540 Scarred Brown
(thin format, stretcher bond)



6228 Light Old-German Red
(reich format, irregular bond)

■ Building customers and home owners who choose Böger System Clinker are surprised by the mass of economical benefits. For instance: the fact that no foundation is required. Nor a time-consuming and costly substructure. Rents or damage to the plaster are covered up and attachment using the special fitting elements is sure and permanent even when the house walls are of extremely poor quality.



Attaching the aluminium finishing strip



After aligning the house corner, attachment is carried out using 4 – 6 system clinker frame dowels. Attaching the panels takes place using approx. 8 bolts and through dowels in the moulded attachment sleeves designed for this purpose, which allow for the constant anchoring of the elements without placing any pressure on the thermal insulation material. Due to the stability of the complete system, screw coupling can be carried out anywhere on the joints.



The recessed bricks are glued into the connection points for the individual elements to complete the connection.



The prefabricated foam chamber ensures a uniform area coverage, free of thermal stress, through even distribution of the PU foam over all connection surfaces, transitions and irregularities on the panel longitudinal and face sides.



Final pointing with mortar is carried out by hand.

Interestingly designed with style

...this is how your house could look.





Afterwards



Before

Quality of Böger System Clinker.



Your

BÖGER®

SYSTEM CLINKER

Specialist Dealer:

Böger Systemklinker

Produktions GmbH

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