



HART Hafner

Fireclay



Fireclay product range

PLATES · BRICKS · MORTAR

HART
KERAMIK AG



Fireclay in soft

Hafner quality

FIRECLAY PLATES

Properties

- Exclusion-pressed goods
- Easy to work with
- Ideal absorption
- Max. heat storage capacity
- Active heat reflection
- Balanced heat output
- Resistant to temperature fluctuations
- Food-compatible, suitable for ovens and pizza ovens

Technical data

- Compression strength $\geq 25 \text{ N/mm}^2$
(in average for plate thickness $t = 20 \text{ mm}$)
- Raw density = $1.85 \text{ kg/dm}^3 \pm 0.1 \text{ kg}$
- Porosity = $28\% \pm 3\%$
- Water absorption = $15\% \pm 3\%$
- Refractory capacity up to 1500°C
- Permanent application temperature up to 1000°C
- Temperature fluctuation resistance TWB 28
- Specific heat capacity $\sim 1.55 \text{ kJ/dm}^3\text{K}$



Dimensions in mm	Item number	Weight kg/Pal.	Weight kg/pc.	Pallet load Items/Pallet
250 x 124 x 20*	12501 2122	987	1,2	810
250 x 124 x 30*	12501 2123	933	1,7	540
250 x 124 x 40*	12501 2124	906	2,2	405
250 x 124 x 50_	12501 2125	1023	2,8	360
290 x 140 x 20	12501 2142	975	1,6	600
290 x 140 x 30	12501 2143	975	2,4	400
290 x 140 x 40	12501 2144	945 (1224)	3,1	300 (390)
350 x 140 x 30	12501 3143	850	2,9	288
400 x 200 x 20*	12501 4202	994	3,2	306
400 x 200 x 30*	12501 4203	913	4,4	204
400 x 200 x 40*	12501 4204	979	6,3	153
400 x 300 x 30*	12501 4303	965	6,6	144
400 x 300 x 40*	12501 4304	911	8,3	108
500 x 200 x 20	12501 5202	771	3,5	216
500 x 200 x 30*	12501 5203	879	6,0	144
500 x 200 x 40*	12501 5204	879	8,0	108

FIRECLAY BRICKS

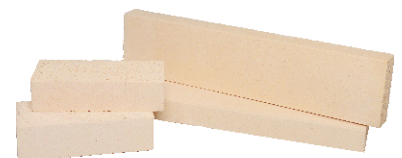
580 x 124 x 60°	12501 7777	1100	8,7	125
600 x 124 x 60	12501 6126	1140	9,0	125
600 x 140 x 50_	12501 6145	975	8,0	120
600 x 300 x 50_	12501 7305	973	17,1	56

FIRECLAY BLOCKS

250 x 124 x 64	12502 0003	903	3,7	240
250 x 124 x 71	12502 0004	951	3,9	240

*smooth version, ° only from existing stocks

Note: possible dimension tolerances $\pm 3\%$, - possible weight tolerances $\pm 10\%$



LARGE FIRECLAY PLATES PA III t.

Properties

- Dry-pressed plates for firebox floor and firebox cover

Technical data

- Permanent application temperature up to 1100 °C



Dimensions in mm	Item number	Weight kg/pc.	Designation
500 x 375 x 40	12506 5374	15,4	P1
250 x 500 x 64	12506 2506	16,4	P3
500 x 500 x 64	12506 5506	32,8	P6

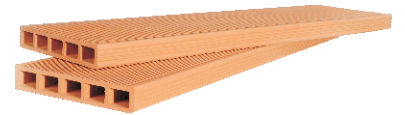
HOUDIS PLATES

Properties

- 4 cm thick Hollow brick plates
- Suitable for a wide range of uses on the exterior of tiled stoves

Technical data

- Max. temperature load up to 300°C



Dimensions in mm	Item number	kg/m ²	m ² /Pal.
1000 x 250 x 40	22500 0001	32,0	11,5

OVENS

The interior of a wood-burning oven, consisting of:

- Prefabricated arched pieces
- Large plates for the baking area
- Insulating compound
- Oven door made of stainless steel prices on request



The range of Hafner

HAFNER FIRECLAY MORTAR

Application

- Suitable for all Hafner work (tiled stoves, flues, ovens and other fire installations).
- For installing furnace plates, fireclay blocks and plates in the firebox area.
- Can be only used indoors or in protected outdoor areas.

Packed in	Item number	Weight kg/Pal.	Pallet load Items/Pallet
2 kg cans	12504 0200	447	6 cans in box, 36 boxes per pallet
7 kg bucket	12504 0700	575	80
25 kg sacks	12504 2500	1015	40

Properties

- Ready-mixed for use, the mixture must not be reduced any further.
- Permanent application temperature max. 1000 °C.
- Cures exclusively ceramically at approx. 600 – 800°C.
- Contains no binding agents such as cement.

Instructions for use

- Mix to a soft, plastic compound by adding water.
- Application temperature should not be below +5°C.
- Remove the dust from the fireclay and wet it before use.
- Joint thickness up to 7 mm.
- The stove will require a drying time of 10 – 14 days before being heated for the first time.



FIRE CLAY MORTAR - quality C II

Application

- Suitable for all Hafner work (tiled stoves, flues, ovens and other fire installations).
- For installing furnace plates, fireclay blocks and plates in the firebox area.
- Can be only used indoors or in protected outdoor areas.

Packed in	Item number	Weight kg/Pal.	Pallet load Items/Pallet
2 kg cans	12503 0200	447	6 cans in box, 36 boxes per pallet
7 kg bucket	12503 0700	575	80
25 kg sacks	12503 2500	1015	40

Properties

- Ready-mixed for use, can be reduced with fireclay meal if necessary.
- Permanent application temperature max. 1000°C.
- Cures exclusively ceramically at approx. 600 – 800°C.
- Contains no binding agents such as cement.

Instructions for use

- Mix to a soft, plastic compound by adding water.
- Application temperature should not be below +5°C.
- Remove the dust from the fireclay and wet it before use.
- Joint thickness up to 7 mm.
- The stove will require a drying time of 10 – 14 days before being heated for the first time.



The range of Hafner

REFRACTORY MORTAR

Application

- Suitable for all Hafner work, in particular for use as repair mortar in fire box area.
- Can be used indoors or in protected outdoor areas.

Packed in	Item number	Weight kg/Pal.	Pallet load Items/Pallet
2 kg cans	12505 0200	447	6 cans in box, 36 boxes per pallet
7 kg bucket	12505 0700	575	80

Properties

- Ready-mixed for use, contains fireclay cement mortar and cement as binding agent, cures ceramically and hydraulically.
- Permanent application temperature max. 1000°C.

Instructions for use

- Mix to a soft, plastic compound by adding water.
- Application temperature should not be below +5°C.
- Remove the dust from the fireclay and wet it before use.
- Joint thickness up to 7 mm.
- The hydraulic curing process starts after just 20 – 30 minutes.
- The stove will require a drying time of 2 – 4 days before being heated for the first time.



ADHESIVE MORTAR

Application

- Suitable for gluing, setting and jointing fireclay blocks and plates, as repair mortar in the firebox area or for plastering the outside of the fire installation.
- Can be used indoors or in protected outdoor areas.

2 kg cans	12508 0200	447	6 cans in a carton
5 kg bucket	12508 0500	415	80
25 kg sacks	12508 2500	1015	40

Properties

- Ready-mixed for use, contains only cement as binding agent, only cures hydraulically.
- Permanent application temperature max. 1100 °C.
- Very short pot time of max. 15 minutes.

Instructions for use

- Mix to a soft, plastic compound by adding water.
- The application temperature should not be below +5°C.
- Remove the dust from the fireclay and wet it before use.
- Joint thickness up to 10 mm, layer thickness for plastering 2 – 4 mm.
- The hydraulic curing process starts after just 15 minutes.
- The stove will require a drying time of 2 – 4 days before being heated for the first time.





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