Our **fireclay qualities**

...for every requirement

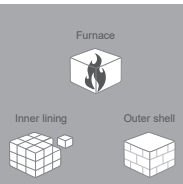
Wolfshöher TONWERKE

HBO+

Density: **1.9 kg/dm³**

Application temperature: **1,200 °C**

- our light red standard quality gets its characteristic colour from our domestic raw material
- chamotte for solid fuels (wood and lignite)
- for all areas of a heating system
- excellent workability with good mechanical strength

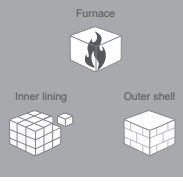


WKS

Density: **1.9 kg/dm³**

Application temperature: **1,200 °C**

- chamotte for solid fuels (wood and lignite)
- can be used in all areas of a heating system, especially in areas exposed to fire
- excellent mechanical strength

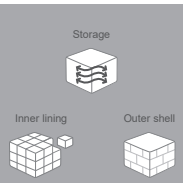


HSM massiv

Density: **2.4 kg/dm³**

Application temperature: **1,000 °C**

- heavy chamotte for solid fuel wood
- for the ceramic flues and the outer shell of a fireplace
- high density and thermal conductivity
- greater amount of thermal energy for the same brick volume
- rapid responsiveness to temperature changes

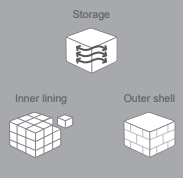


HST

Density: **2.8 kg/dm³**

Application temperature: **600 °C**

- heavy chamotte for solid fuel wood
- very high density and very high thermal conductivity that remains constant across all temperatures
- for the ceramic flues and the outer shell of a fireplace
- greater amount of thermal energy for the same brick volume
- rapid responsiveness to temperature changes

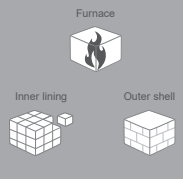


HBW

Density: **1.9 kg/dm³**

Application temperature: **1,200 °C**

- chamotte for solid fuels (wood and lignite)
- can be used in all areas of a heating system, especially in areas exposed to fire
- particularly suitable for visible surfaces thanks to its elegant colour tone

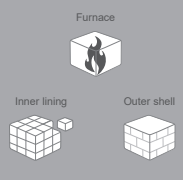


HBC

Density: **1.7 kg/dm³**

Application temperature: **1,200 °C**

- chamotte for solid fuel wood
- can be used in all areas of a heating system, especially in areas exposed to fire
- improved in terms of thermal expansion
- particularly suitable for visible surfaces thanks to its elegant colour tone



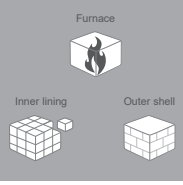
NERO

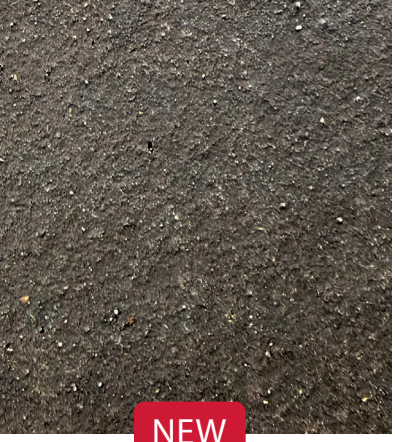
NEW

Density: **2 kg/dm³**

Application temperature: **1,000 °C**

- chamotte for solid fuel wood
- used particularly in heating inserts and in the visible area of the combustion chamber
- particularly suitable for visible surfaces thanks to its very dark color

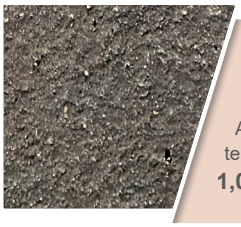




NEW

NERO - cozy warmth, clean look

With NERO, we are expanding our product range with a fireclay quality that places particular emphasis on design. The anthracite-coloured surface creates a calm, dark background that draws attention to the fire and gives viewing areas a modern and clean look.



Density:
2 kg/dm³

Application temperature:
1,000 °C

- chamotte for solid fuel wood
- used particularly in heating inserts and in the visible area of the combustion chamber
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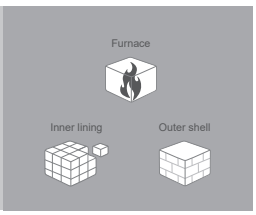

Technical data - overview

Quality	HBO+	WKS	NERO	HSM massiv	HST	HBW	HBC
Colour							
Application temperature	1,200 °C	1,200 °C	1,000 °C	1,000 °C	600 °C	1,200 °C	1,200 °C
Bulk density	1.85 - 1.95 kg/dm³	1.9 - 1.98 kg/dm³	2 kg/dm³	2.40 kg/dm³	2.80 kg/dm³	1.85 - 1.96 kg/dm³	1.65 - 1.75 kg/dm³
Open porosity	26 - 31 %	24 - 28 %	20,8 %	20 - 25 %	20 - 22 %	24 - 28 %	34 - 37 %
Cold compression	approx. 15 mPa	> 25 mPa	> 10 mPa	n/a	n/a	> 20 mPa	> 20 mPa
Temperature change resistance	> 30 deterrents (water)	> 30 deterrents (water)	12 deterrents (water)	> 25 deterrents (water)	15-20 deterrents (water)	> 25 deterrents (water)	> 30 deterrents (water)
Fire resistance	26 - 28 (1,585 - 1,635 °C)	28 - 29 (1,635 - 1,655 °C)	> 15 (1,440 °C)	15 (1,440 °C)	14 - 15 (1,410 - 1,440 °C)	28 (1,635 °C)	28 (1,635 °C)
Thermal expansion (linear)	0.5 % at 1,000 °C	0.5 % at 1,000 °C	n/a	0.6 % at 1,000 °C	0.8 % at 1,000 °C	0.5 % at 1,000 °C	0.35 % at 1,000 °C
Post-shrinkage	< 1.0 % at 1,100 °C	< 1.0 % at 1,100 °C	n/a	< 1.0 % at 1,100 °C	< 0.4 % at 1,100 °C	< 1.0 % at 1,100 °C	< 0.1 % at 1,100 °C

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