

# Our fireclay qualities

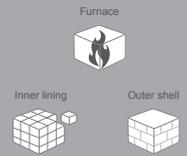
...for every requirement

## HBO+

Density:  
**1.9 kg/dm<sup>3</sup>**

Application  
temperature:  
**1,200 °C**

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

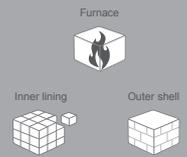


## WKS

Density:  
**1.9 kg/dm<sup>3</sup>**

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

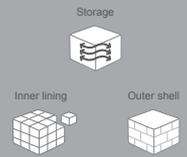


## HSM massiv

Density:  
**2.4 kg/dm<sup>3</sup>**

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

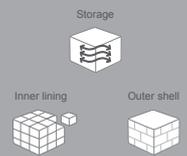


## HST

Density:  
**2.8 kg/dm<sup>3</sup>**

Application  
temperature:  
**600 °C**

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

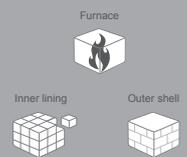


## HBW

Density:  
**1.9 kg/dm<sup>3</sup>**

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



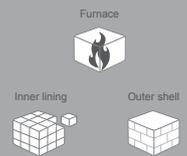
NEW

## HBW light

Dichte:  
**1,7 kg/dm<sup>3</sup>**

Anwendungs-  
temperatur:  
**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

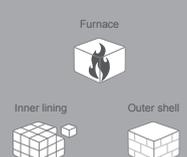


## HBC

Density:  
**1.7 kg/dm<sup>3</sup>**

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
- lower thermal expansion compared to standard fireclay
- particularly suitable for visible surfaces thanks to its elegant colour tone





**NEW**



## NERO – cozy warmth, clean look

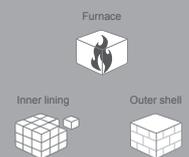
With NERO, we are expanding our product range with a fireclay quality that places particular emphasis on design. The anthracite-coloured surface creates a calm, dark background that draws attention to the fire and gives viewing areas a modern and clean look.



Density:  
**2 kg/dm<sup>3</sup>**

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 colour



### Technical data - overview

Quality	HBO+	WKS	NERO	HSM massiv	HST	HBW	HBW light	HBC
Colour								
Application temperature in °C	1,200	1,200	1,000	1,000	600	1,200	1,200	1,200
Bulk density in kg/dm <sup>3</sup>	1.85–1.95	1.90–1.98	2.00	2.40	2.80	1.85–1.96	1.65–1.75	1.65–1.75
Open porosity in %	26–31	24–28	19–21	20–25	20–22	24–28	32–38	34–37
Cold compression strength in MPa	> 15	> 25	> 10	n/a	n/a	> 20	> 20	> 20
Temperature change resistance Deterrents (water)	> 30	> 30	> 10	> 25	> 15	> 25	> 25	> 30
Fire resistance	> 26 (1,585 °C)	> 28 (1,635 °C)	> 15 (1,440 °C)	> 15 (1,440 °C)	> 15 (1,440 °C)	> 28 (1,635 °C)	> 29 (1,655 °C)	> 28 (1,635 °C)
Thermal expansion in % (linear at 1,000 °C)	≤ 0.5	≤ 0.5	n/a	≤ 0.6	≤ 0.8	≤ 0.5	≤ 0.5	≤ 0.35
Post-shrinkage in % at 1,100 °C	< 1.0	< 1.0	n/a	< 1.0	< 0.4	< 1.0	< 1.0	< 0.1



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