

## HeWaTherm® Vermiculite



### Description:

Vermiculite is an aluminum-magnesium layered silicate. The binders are purely inorganic, fiber-free and harmless to health.

### Application:

Thermal insulation for industrial furnaces, boilers, household appliances and fireplaces and tiled stoves.

Can be used inside the firing chamber.

### Properties:

- high temperature resistance
- low thermal conductivity
- medium to high strength
- easy to work with woodworking tools
- high resistance to alternating temperatures
- food safe

Vermiculite		Vermiculite	Vermiculite Premium
Formats (other formats, thicknesses, densities and molded parts on request)	mm	500 x 300 600 x 500	500 x 300 600 x 500
Thickness	mm	20; 25; 30; 40	20; 25; 30; 40
Classification temp.	°C	1,100	1,150
Bulk density	Kg/m <sup>3</sup>	600	900
Flexural strength	MPa	1.6	2.1
Pressure resistance	MPa	4.2	6.3
Thermal conductivity	W/mK	200°C – 0.16 400°C – 0.18 600°C – 0.20 800°C – 0.22 1,000°C – 0.25	200°C – 0.18 400°C – 0.19 600°C – 0.20 800°C – 0.23 1,000°C – 0.26
Linear shrinkage	1,100 °C / 24 h	< 1.0	< 1.2
Thermal shock resistance	(EN 993)	> 30 Cycles	> 30 Cycles
Customs Tariff Number		68062090	68062090

Data are average values of current production. Sending samples is possible after consultation. Testing the Material is highly recommended. A warranty can not be derived from data

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