

# MISOTHERM 500

**DATA SHEET  
REV.01 -02-01-  
2015**

## Descrizione:



MISOTHERM 500 is a high density sheet free from asbestos.

Reinforced with inorganic fibers.

This material has been specifically designed for those applications in which the sheets in common cementitious material are not able to withstand the combination of mechanical and thermal stresses.

Available in 1220x910 mm format and in thicknesses from 6 mm to 75 mm

## Applications :

Glass industry  
Walls and coverings induction ovens  
Shelves for ovens  
Supports for cathodes

## Advantages :

Dimensional stability  
Good linear shrinkage  
Incombustible  
Resistant to heat shock  
Easily workable

## TECHNICAL CHARACTERISTICS

<b>Density</b>	g/cm <sup>3</sup>	1,75
<b>Water absorption for 24 h in umidity at 95% for 24 h inside water</b>	%	2.5 15
<b>Flexural strength at room temperature a 350°C x 24 h a 500°C x 24 h</b>	MPa	35 24 22
<b>Resistance to compression</b>	MPa	120
<b>Brinell hardness</b>		26
<b>Operating temperature</b>	°C	500
<b>Maximum temperature of usage</b>	°C	700
<b>Thermal conductivity</b> at 100°C at 150°C at 200°C	W/m°K	0.37 0.42 0.47
<b>Dielectric strength (dry)</b>	KV/mm	2.9
<b>Resistance to the arc</b>	Sec	370