

NAD 500

TECHNICAL DATA SHEET REV.01 02-01-2015

Description:



PYROTEK NAD 500 is a high density, asbestos-free board reinforced with inorganic fibers. This material has been specifically designed for those applications in which the slabs 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.

Benefits:

Dimensional stability
 Good linear shrinkage
 Incombustible
 Resistant to thermal shock
 Easy workable

Application:

Glass industry
 Induction furnace walls and covers
 Shelves for ovens
 Supports for cathodes

PROPERTIES:

Density	g/cm ³	1,75
Water Absorption x 24 h, 95% humidity x 24 h in water	%	2.5 15
Flexural Strength	MPa	35
at room t.		24
at 350°C x 24 h		22
at 500°C x 24 h		
Compressive Strength	MPa	120
Hardness		26
Operating Temperature	°C	500
Peak Operating Temperature	°C	700
Thermal Conductivity	W/m°K	0.37
at 100°C		0.42
at 150°C		0.47
at 200°C		
Dielectric Strength (dry)	KV/mm	2.9
Arc Resistance	Sec	370
Thickness	mm	6 up to 75