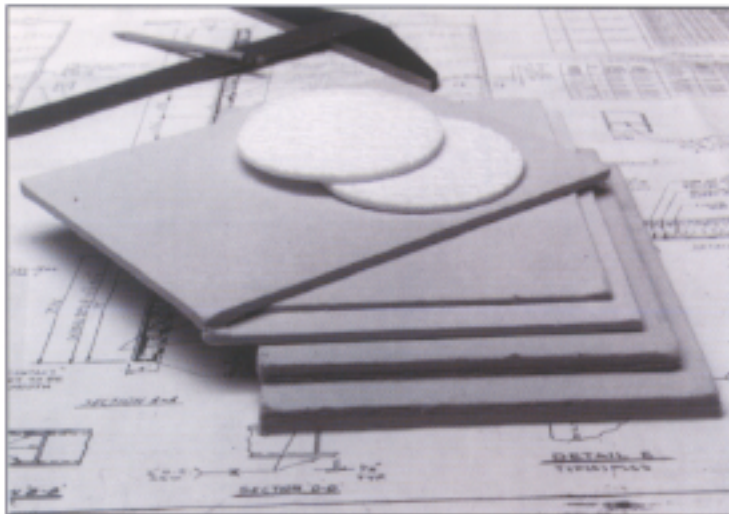


SUPER NU-BOARD®

FOR TEMPERATURES TO 2300° F



SUPER NU-BOARD is strong, thin, dense board that provides excellent compression resistance and insulating qualities. It is produced from ceramic fibers, clay, inert fillers with small amounts of organic and inorganic binders, which account for its superior handling strength. SUPER NU-BOARD maintains its integrity throughout a wide temperature range and is easily fabricated and die cut. It performs well in temperature applications to 2300° F and is available in thicknesses from 1/16" to 1/2" and sheet sizes of 55" X 55" or 40" X 40".

TYPICAL APPLICATIONS

- Lining furnaces
- Elevator shafts
- Ceilings, walls exposed to high temperatures
- Blast furnaces
- Aluminum production
- Cores of metal doors
- Welding pads
- Incinerators
- Strong box liner

CHARACTERISTICS

- Easily die cut
- Low thermal conductivity
- Low heat storage
- Excellent compression resistance
- Excellent dielectric strength
- Excellent dimensional stability
- Excellent thermal shock resistance
- Excellent temperature stability
- Excellent chemical resistance

THERMAL CONDUCTIVITY

Btu in./hr. ft. (ASTM C201)

Mean Temperature	
@ 500° F.....	0.61
@ 1000° F.....	0.81
@ 1500° F.....	1.04
@ 2000° F.....	1.33

Chemical Analysis
(% weight basis after firing)

Alumina (Al ₂ O ₃).....	36
Silica (SiO ₂).....	60
Other.....	4
Loss on ignition (L.O.I.) @ 1000° F.....	9-11
Moisture content, (max).....	0.5

Physical Properties

Color.....	white
Nominal density, pcf.....	35-40
Maximum temperature rating, °F.....	2300
Continuous use limit, up to ° F.....	2000
Melting point, °F.....	3200
Modulus of rupture, psi.....	650-750
Compressive strength, psi	
@ 5% deformation.....	10-20
@ 10% deformation.....	55-70
@ 15% deformation.....	175-200

SHEET SIZE – 55" x 55"		
NOMINAL THICKNESS	SHEETS PER CTN	APPROX WT PER SHT
1/16	24	4
1/8	12	8
3/16	8	12.5
1/4	6	25
1/2	3	33

SHEET SIZE – 40" X 40"		
NOMINAL THICKNESS	SHEETS PER CTN	APPROX WT PER SHT
1/16	65	3.1
1/8	37	5.7
3/16	22	9.9
1/4	18	11.6
1/2	9	23.1