



**INDUSTRIAL  
ENERGY  
PRODUCTS**

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flexible, durable, fireproof  
**NU-BOARD<sup>®</sup>**  
FOR APPLICATIONS UP TO 1800°F



NU-BOARD IS EASILY WET MOLDED AND DIE CUT FOR HIGH TEMPERATURE APPLICATIONS.

**NU-BOARD** is a remarkably versatile, vacuum formed mineral fiber, that is excellent for temperature applications to 1800° F. in a wide variety of industrial operations.

**NU-BOARD** products are produced from inorganic fiber and inert fillers - suitably compressed and bonded to create a rigid yet flexible board that has effectively replaced asbestos millboard in many industrial high temperature applications.

The excellent unique physical characteristics of **NU-BOARD** make it possible to satisfy your special design requirements. It can be wet molded, die cut, nailed, stapled, hand cut, and will not burn!

#### SOME TYPICAL USES

- Lining Furnaces
- Moving Picture Booths
- Elevator Shafts
- Ceilings, Walls Exposed to Heat
- Gaskets
- Stoves
- Cladding for Lehr Rollers
- Float Glass
- Foundry Bottom Cores
- Fire Protection Dampers
- Press Platen Insulation
- Cores for Metal Clad Doors
- Stove Pads
- Welding Pads
- Incinerators
- Heater Lining
- Strong Box Lining
- Kiln Lining
- Molded for Troughs
- Cable Protection
- Molten Metal Contact Floats, Dipsticks and Spouts
- Duct Insulation
- Boiler Door Insulation



NU-BOARD CAN BE NAILED, STAPLED, HAND CUT, AND DIE CUT FOR SUPERIOR PERFORMANCE.

**NU-BOARD** TECHNICAL DATA

## NU-BOARD SPECIFICATIONS

1800 PREMIUM					1700 COMMERCIAL				
SHEET SIZE		40" x 40"			40" x 40"				
THICKNESS	LB/SHT	SHT/CTN	LB/SHT	SHT/CTN					
1/16"	3.1	65	3.1	65					
5/64"	3.8	56	4.2	56					
3/32"	4.8	44	5.3	44					
1/8"	5.7	37	6.3	37					
5/32"	7.7	28	8.4	28					
3/16"	9.9	22	10.5	22					
1/4"	11.6	18	12.5	18					
5/16"	15.4	14	16.7	14					
3/8"	19.3	11	20.9	11					
1/2"	23.1	9	25.1	9					

**NU-BOARD** is available in two grades:

**1800 Premium** - Features a smooth clean surface, free of residual granular material.

**1700 Commercial** - A granular surface, with equal performance of 1800 PREMIUM.

For temperature applications in excess of 1800° F, specify SUPER NU-BOARD, which is designed for use in temperatures up to 2300° F.

### PHYSICAL PROPERTIES (NOMINAL)

#### 1800 PREMIUM

Density.....	55 lb./ft <sup>3</sup>
Tensile Strength @ Ambient.....	725 psi
932° F.....	265 psi
1472° F.....	515 psi
Flexural Strength.....	1000 psi
Compression @ 3045 psi.....	35 - 45 %
Ignition Loss.....	11%
Moisture Content.....	1%
Therm. Cond. @ 122° F-752° F.....	0.77 - 1.05 Btu in/ft <sup>2</sup> m°F
Heat Resistance.....	1830° F (dep. on app.)
Shrinkage (%) @ 932° F.....	0.06(L) 0.78(W) 9.6(Thk.)
1472° F.....	0.38(L) 0.45(W) 2.2(Thk.)
1832° F.....	0.89(L) 0.25(W) 1.9(Thk.)
Color.....	Beige
Sheet Size.....	40" X 40"

#### 1700 COMMERCIAL

Density.....	60 lb./ft <sup>3</sup>
Tensile Strength@ Ambient.....	725 psi
932° F.....	177 psi
1472° F.....	89 psi
Flexural Strength.....	860 psi
Compression @ 3045 psi.....	30 - 40 %
Ignition Loss.....	11%
Moisture Content.....	1%
Therm. Cond. @ 122° F-752° F.....	0.84 - 1.05 Btu in/ft <sup>2</sup> m°F
Heat Resistance.....	1830° F (1000° C) (dep. on app.)
Shrinkage (%) @ 932° F.....	0.04(L) 0.25(W) 3.5(Thk.)
1472° F.....	0.52(L) 0.50(W) 1.8(Thk.)
1832° F.....	0.60(L) 0.56(W) 4.89(Thk.)
Color.....	Yellow
Sheet Size.....	40" X 40"