NAD-11

Composition:
A high density cement board reinforced with inorganic fibers.

Sheet Sizes:
36” x 48” in the following thicknesses:
¼, 3/8, ½, 5/8, ¾, 1, 1 3/16, 1 ½, 2, 2 3/8, 3
Cut and fabricated to shape.

Color:
Neutral gray

Advantages:
NAD-11 is dimensionally stable, non-combustible, chemically inert, and it retains its mechanical strength at temperature. It can be easily machined to various shapes.

Applications:
NAD-11 can be used in many industries in applications such as platen insulation, as thermal insulation in ovens and furnaces, and as support pads in high temperature applications.

Specifications:

- **Density**: 109 lbs/ft³ (1750 kg/m³)
- **Maximum operating temperature**: 932°F (500°C)
- **Shrinkage, after 24 hours**:
  - 660°F (350°C): 0.21%
  - 930°F (500°C): 0.25%
- **Compressive strength**: 17,110 psi (118 MN/m²)
- **Dielectric strength**: 69 volts/mil (2.9 KV/mm)
- **Water absorption**: 15%
- **Thermal conductivity**:
  - 0.73 BTU-in/ft² °F/hr, °F@122°F (0.25 W/mK @50°C)
  - 2.15 BTU-in/ft² °F/hr, °F@752°F (0.31 W/mK @400°C)
- **Volume resistivity (ASTM D 257)**: 1.0 x 10⁴ Mohm/cm (2.54 x 10⁴ Mohm/in)
- **Arc resistance (ASTM D 495)**: 370 sec

NAD-11 is manufactured by Pyrotek.