



NI CB 30 – Commercial Board 30 stands as a semi-rigid stone wool insulation board, meticulously crafted for customization into various dimensions, catering to the specific aesthetic or functional requirements of your project. Engineered to be non-combustible, NI CB 30 ensures minimal smoke development and flame spread even under direct exposure to fire.

Additionally, it effectively repels and channels water away from the product, retaining its original physical properties as it fully dries out. Distinguished by its unique non-directional structure, NI CB 30 insulation boasts higher density compared to conventional insulations, thereby reducing airflow and sound transmissions. This enhanced airflow resistivity translates into superior sound attenuation, making NI CB 30 an optimal choice for sound dampening across a broad spectrum of frequencies.

NI CB 30 Insulation is an inorganic mineral fiber insulation produced from basalt volcanic rock. CB 30 is non-combustible, nondeteriorating, moisture resistant, dimensionally stable, noncorrosive, and non-mildew supporting. It has a high fiber with a low non-fibrous content and a very low organic binder. It maintains a consistent density throughout its designed life cycle.

Packaging

NI CB 30 Insulation is packaged in a poly film shrink wrap.

| Property | Performance / Characteristic | Test Standard |
|--------------------------|---|----------------------------|
| Compliance | Mineral Fiber Block and Board Thermal Insulation - Type IVB Compliant | ASTM C612 |
| Density | Actual density 3 lbs/ft ³ (48 kg/m ³) | ASTM C303 |
| Reaction to Fire | Flame Spread / Smoke Developed 0 / 0 | ASTM E84 |
| | Flame Spread / Smoke Developed 0 / 0 | CAN/ULC S102 |
| | Non-combustible | CAN/ULC S114-5 / ASTM E136 |
| | Hot Surface Performance - 1200°F | ASTM C411 |
| Corrosion Resistance | Stress Corrosion Cracking/Corrosion of Steel – Passed | ASTM C795 / ASTM C665 |
| Thermal Resistance | R-Value for 1 inch (25 mm) thickness @ 75°F (24°C) mean temperature: 4.2 hr-ft ² -°F/Btu (0.74 m ² -°K/W) | ASTM C518 |
| Compressive Strength | 196psf (9.4 kPa) @ 10% compression 547psf (26.2 kPa) @ 25% compression | ASTM C165 |
| Linear shrinkage | < 1% | ASTM C356 |
| Water vapor sorption | 0.01% | ASTM C1104 |
| Fungi resistance | Passed | ASTM C1338 |
| Non-fibrous content | < 12% | ASTM C1335 |
| Thicknesses / Dimensions | 1”- 4” (25, 50, 75, and 100 mm) thick in 1” (25 mm) increments; 24” x 48” (610 mm x 1219 mm) boards | NA |

Note: Thicknesses greater than 4” (100 mm) may be available upon request.



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