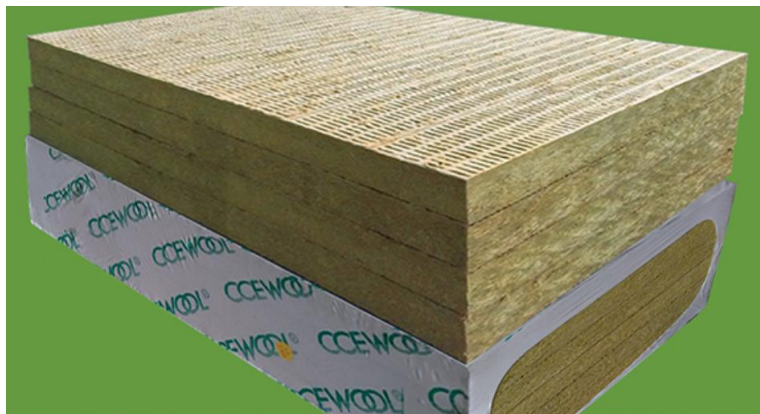


## CCEWOOL® Stone Wool Board



Classification Temperature: 750°C (1382°F)

Chemical Composition: Basalt

CCEWOOL® Stone Wool Board is a rigid inorganic fiber insulation board made primarily from natural minerals such as basalt and dolomite through high-temperature melting, fiberization, and compression forming. Its porous fiber structure combines good mechanical strength and toughness with

reliable thermal insulation, sound absorption, and fire resistance, making it suitable for applications requiring long-term safety and stability.

The product offers good thermal and chemical stability, with resistance to aging and corrosion during long-term service. CCEWOOL® Stone Wool Board can achieve an A1 non-combustible classification, making it suitable for fire protection and thermal insulation in both building and industrial systems.

Depending on application requirements, CCEWOOL® can provide water-repellent and low-chloride grades for humid environments or chloride-sensitive applications. Aluminum foil and other facings are also available to improve moisture protection, installation convenience, and overall system performance.

With stable performance and good engineering adaptability, CCEWOOL® Stone Wool Board is widely used in building envelope systems, industrial equipment insulation, fire barriers, and acoustic control applications.

### Characteristics:

Excellent thermal and acoustic insulation;

Good moisture resistance;

High compressive and tensile strength;

Low moisture absorption;

Good dimensional stability;

Good aging resistance;

Excellent fire resistance;

Effective sound absorption;

Suitable for thermal insulation, fire protection, and weather protection.

### Applications:

#### Building Industry

- Wall insulation, roofs, building envelopes, thermal insulation, fire protection, and acoustic control.

#### Petrochemical and Industrial Applications

- Thermal and acoustic insulation for power-generation and chemical-processing equipment.

#### Industrial and Heavy-Duty Applications

- Thermal insulation and fire protection for industrial furnaces, ovens, large storage tanks, and vessels.

### TDS

| CCEWOOL® Stone Wool Board           |          |                              |        |        |        |        |                |
|-------------------------------------|----------|------------------------------|--------|--------|--------|--------|----------------|
| Performance                         | Unit     | Density (kg/m <sup>3</sup> ) |        |        |        |        | Test Standards |
| Thermal conductivity (average 25°C) | W/ (m.k) | 60                           | 80     | 100    | 120    | 180    | GB/T10295      |
|                                     |          | ≤0.040                       | ≤0.038 | ≤0.038 | ≤0.038 | ≤0.038 |                |
| Combustion performance              | --       | Class A1 non-combustion      |        |        |        |        | GB8624         |
| Hydrophobicity                      | %        | ≥99                          | ≥99    | ≥99    | ≥99    | ≥99    | GB/T10299      |
| Maximum operating temperature       | °C       | 550                          | 650    | 750    | 750    | 750    | GB/T17430      |
| Recommended operating temperature   | °C       | 450                          | 550    | 650    | 650    | 650    | GB50264        |
| Heat load shrinkage temperature     | °C       | 500                          | 650    | 650    | 650    | 650    | GB/T11835      |
| Linear shrinkage                    | %        | ≤2                           | ≤2     | ≤2     | ≤2     | ≤2     | ASTM C356      |
| Corrosiveness                       | --       | No corrosion                 |        |        |        |        | ASTM C665      |