

MARINE & TRANSPORTATION THERMAL PROTECTION SOLUTIONS



Fire Protection



Thermal Insulation



Acoustic Protection



Lightweight Thermal Management

for Marine, Offshore, Rail &
Transportation Systems



Fire
Protection



Thermal
Insulation



Acoustic
Control



Lightweight
Design

WHY THERMAL PROTECTION MATTERS

Marine and transportation systems operate in demanding environments where fire safety, energy efficiency, passenger comfort and equipment reliability are critical.

CCEWOOL® provides fire protection, thermal insulation and acoustic solutions for marine vessels, rail transportation and special transport equipment.



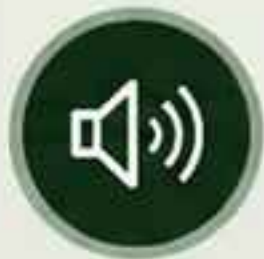
Fire Protection

Improve safety performance



Thermal Insulation

Reduce heat transfer



Acoustic Protection

Enhance comfort



Moisture Resistance

Suitable for marine environments



Lightweight Design

Reduce structural load



Fabrication Capability

Custom-engineered solutions

TYPICAL MARINE & TRANSPORTATION APPLICATIONS



MARINE

- Engine Rooms
- Bulkheads
- Deck Systems
- Exhaust Systems
- Pipe Insulation
- Refrigerated Compartments



RAIL TRANSPORTATION

- Car Body Insulation
- Equipment Compartments
- Battery Protection
- Fire Barriers



TRANSPORTATION EQUIPMENT

- Tank Containers
- Temperature-Controlled Logistics
- Cable Protection



MARINE ENGINE ROOM & BULKHEAD FIRE PROTECTION

CCEWOL®
INSULATION FIBER

Protecting engine rooms, bulkheads, decks and high-temperature equipment areas.



APPLICATIONS

- Engine Rooms
- Boilers
- Incinerators
- Bulkheads
- Fire Barriers
- Accommodation Areas



RECOMMENDED PRODUCTS

- Stone Wool Board
- Stone Wool Blanket
- Hydrophobic Ceramic Fiber Blanket
- Hydrophobic Ceramic Fiber Board



Fire Protection
Enhance fire safety



Thermal Insulation
Reduce heat transfer and save energy



Acoustic Control
Reduce noise and improve comfort



Reliable Performance
Stable operation in marine environments

MARINE PIPE, DUCT & EXHAUST INSULATION

Maintaining thermal efficiency and fire integrity throughout marine piping systems.



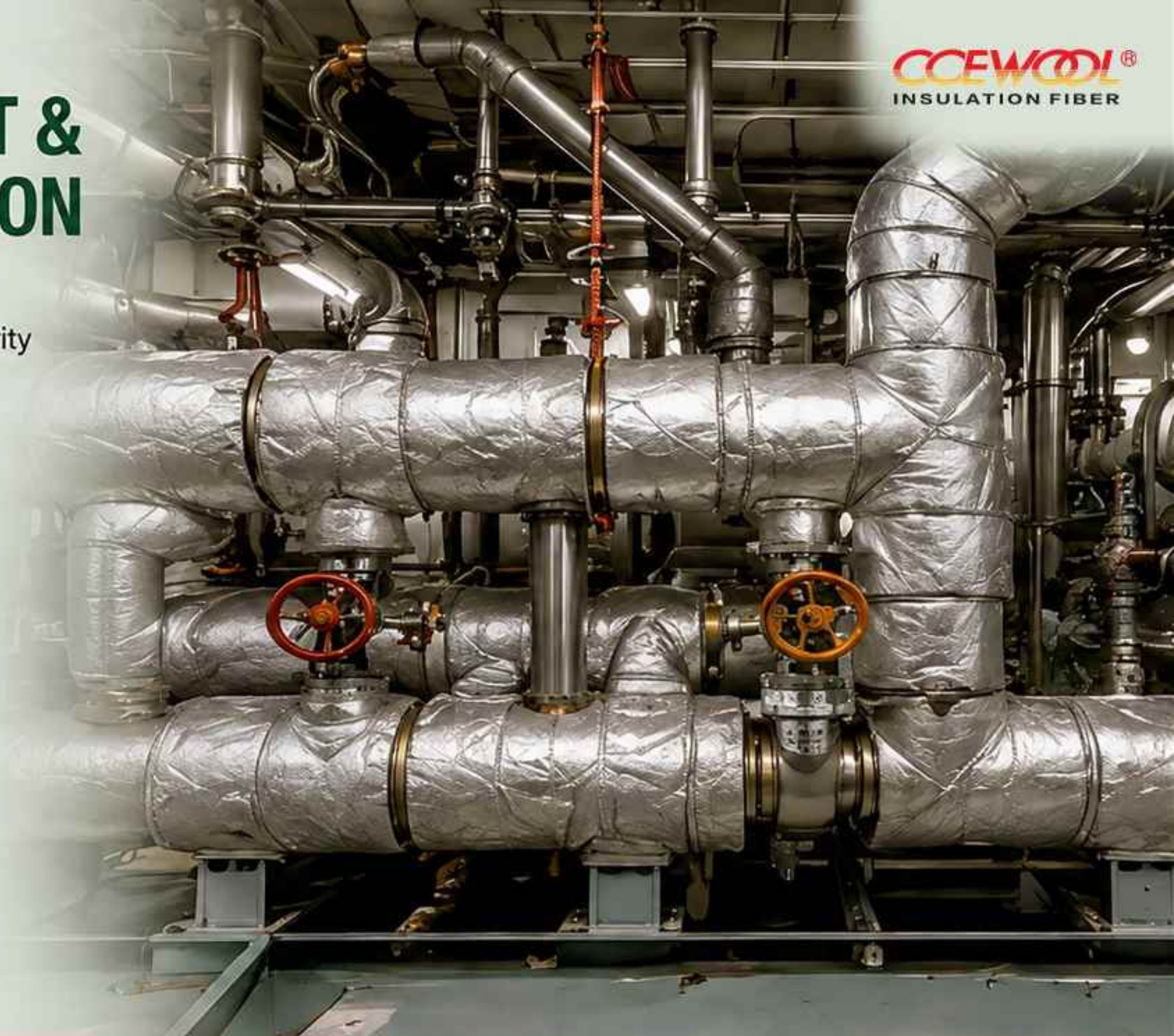
APPLICATIONS

- Steam Pipes
- Exhaust Systems
- Ventilation Ducts
- HVAC Ducts
- Penetration Areas



RECOMMENDED PRODUCTS

- Stone Wool Pipe
- Stone Wool Blanket
- Ceramic Fiber Paper
- Hydrophobic Ceramic Fiber Blanket



THERMAL EFFICIENCY

Reduce heat loss and improve energy efficiency



FIRE INTEGRITY

Maintain fire barriers and compartment integrity



MOISTURE RESISTANCE

Hydrophobic insulation for marine environments



NOISE REDUCTION

Reduce equipment and duct system noise

REFRIGERATED CARGO & TEMPERATURE-CONTROLLED AREAS

Improving cold retention and condensation control in marine cold chain systems.



APPLICATIONS

- Cold Storage Rooms
- Refrigerated Cargo Holds
- Low-Temperature Pipelines
- Condensation-Sensitive Areas



RECOMMENDED PRODUCTS

- Stone Wool Board
- Stone Wool Blanket
- Stone Wool Pipe
- Hydrophobic Ceramic Fiber Blanket



COLD RETENTION

Reduce heat gain and maintain temperature stability



CONDENSATION CONTROL

Minimize condensation and prevent moisture accumulation



FIRE PROTECTION

Provide reliable fire resistance for cold storage areas



ENERGY EFFICIENCY

Lower energy consumption and improve system performance

RAIL VEHICLE FIRE PROTECTION SYSTEMS

Enhancing passenger safety and protecting critical onboard systems.



APPLICATIONS

- Roof Structures
- Side Walls
- Floor Systems
- Fire Barriers
- Equipment Compartments



RECOMMENDED PRODUCTS

- Stone Wool Board
- Stone Wool Blanket
- Microporous Board
- Ceramic Fiber Paper



FIRE PROTECTION

Improve fire resistance and delay fire spread



THERMAL INSULATION

Reduce heat transfer and improve energy efficiency



ACOUSTIC COMFORT

Reduce noise and enhance ride comfort



SYSTEM RELIABILITY

Protect critical components and ensure safe operation

EQUIPMENT COMPARTMENTS & BATTERY PROTECTION

Passive thermal protection for battery systems and electrical equipment.



APPLICATIONS

- Battery Enclosures
- Energy Storage Systems
- Electrical Cabinets
- Auxiliary Power Systems



RECOMMENDED PRODUCTS

- Microporous Board
- Ceramic Fiber Paper
- Ceramic Fiber Blanket
- Fabricated Components



THERMAL SAFETY

Reduce thermal runaway risk and improve battery safety



EFFECTIVE INSULATION

High-performance insulation helps control temperature and protect components



SYSTEM RELIABILITY

Protect electrical systems and extend equipment service life



LIGHTWEIGHT SOLUTION

Low thermal conductivity materials with lightweight design

RAIL TANK CARS & TEMPERATURE-CONTROLLED TRANSPORT

Maintaining temperature stability during long-distance transportation.



APPLICATIONS

- Rail Tank Cars
- ISO Tank Containers
- Refrigerated Logistics
- Temperature-Controlled Systems



RECOMMENDED PRODUCTS

- Stone Wool Board
- Stone Wool Blanket
- Microporous Board
- Ceramic Fiber Blanket



TEMPERATURE STABILITY

Maintain stable internal temperature during long-distance transport



THERMAL INSULATION

Reduce heat transfer and protect contents from temperature fluctuations



CARGO PROTECTION

Protect sensitive cargo and maintain product integrity



ENERGY EFFICIENCY

Lower energy consumption and improve transportation efficiency

CABLE, PIPE & CRITICAL COMPONENT PROTECTION

Flexible thermal insulation and fire protection for critical transportation systems.



APPLICATIONS

- Cable Harnesses
- Pipe Networks
- Penetration Areas
- Equipment Interfaces



RECOMMENDED PRODUCTS

- Ceramic Fiber Paper
- Ceramic Fiber Textile
- Ceramic Fiber Gasket
- Fabricated Parts



FIRE PROTECTION

Improve fire resistance and protect critical systems



THERMAL INSULATION

Maintain stable temperatures and prevent heat loss



SYSTEM RELIABILITY

Protect critical components and ensure safe operation



FLEXIBLE SOLUTIONS

Lightweight, flexible materials for easy installation

RECOMMENDED MARINE & TRANSPORTATION PRODUCTS



Stone Wool Board

Fire Barrier Systems



Stone Wool Blanket

Acoustic & Thermal
Insulation



Stone Wool Pipe

Pipe Insulation



**Hydrophobic Ceramic
Fiber Blanket**

Marine High-Temperature
Protection



Microporous Board

High-Efficiency
Thermal Barrier



Ceramic Fiber Paper

Thermal Shield &
Sealing



Ceramic Fiber Textile

Flexible Protection



Fabricated Components

Customized Solutions



FIRE SAFETY

Reliable protection for
critical environments



THERMAL EFFICIENCY

Minimize heat transfer and
improve energy efficiency



SYSTEM RELIABILITY

Durable solutions for long-term
performance



SUSTAINABLE SOLUTIONS

Environmentally friendly
and safe materials

ADVANCED THERMAL MANAGEMENT SOLUTIONS FOR MARINE & TRANSPORTATION APPLICATIONS

CCEWOOL
INSULATION FIBER



Global Project
Experience



Marine Industry
Support



Transportation
Engineering



Custom
Fabrication



Stable Global
Supply



Local Warehouse
Support



GLOBAL PROJECT SUPPORT

Double Egret Thermal Insulation Co., Ltd

📍 Add: Mingying Industrial Park, Development Zones,
Zibo, Shandong, China

✉ Email: info@ccewool.com

www.ceramicfibres.com

www.cceramicfiber.com

www.ccewool.com



U.S. WAREHOUSE STOCK SUPPLY & LOCAL PROJECT SUPPORT

CCEWOOL Thermomax Inc.

📍 Add: 1200 Galleria Blvd, Rock Hill,
SC 29730, United States

☎ Tel: +1-704-740-2348

✉ Email: salesusa@ccewool.com

