

Overview

Marley Firewall is an innovative new material that provides a stronger fire barrier than cement board, and is constructed from a proprietary formulation of fiberglass reinforced polyester material.

Primary Benefits

- Stronger, lighter and more durable than cement board.
- Lower installation cost with faster and safer installation.
- Lower maintenance costs.
- Third-party tested per ASTM E-119 and proven to meet 20-minute fire barrier requirements per NFPA 214.
- Available for counterflow and crossflow towers.

Benefit Detail

STRONGER DEFENSE:

- Marley Firewall features fewer seams than currently available with cement board, providing a better fire barrier.

SUPERIOR PERFORMANCE:

- Developed specifically for cooling tower applications.
- Marley Firewall offers maintenance savings, with expected service life twice the industry standard.
- Constructed from dimensionally stable material that is not brittle and less susceptible to cracking.
- The smooth, non-porous surface reduces water absorption and in turn reduces product expansion.
- Compatible with other fiberglass materials in the tower.



ADDED FLEXIBILITY:

- Marley Firewall is available for new towers, can be added to existing towers as an upgrade, or as a replacement for cement board.
- Available in colors to match your existing construction.

Suggested Firewall Specification

Each cell (or every ____ cell) of the tower shall be isolated from the adjoining cells by a transverse firewall partition. The firewalls shall be constructed from fiberglass reinforced polyester material that has been tested to be a 20-minute fire barrier in accordance with NFPA 214. The firewalls shall extend from the fan deck to 1 foot below the operating water level. Cement Board (FRC) shall not be used as a firewall.



Technical Advancements

Improvements	Benefits
94% Less Water Absorption than Standard Cement Board	More Dimensionally Stable and Less Susceptible to Freeze/Thaw Damage and Biological Growth
70% Less Shrinkage than Standard Cement Board	Less Susceptible to Cracking
59% Lighter Material per Square Foot Than ½" Cement Board	Less Loading on Cold Water Basin and Easier Installation
90% More Tensile Strength and 170% More Flexural Strength than Standard Cement Board	Increased Durability and Lower Maintenance Costs than Cement Board

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