

# The JM Fesco® Roof Board Advantage

## Proven History

Fesco Board by Johns Manville has the proven history of performance that contractors, specifiers and consultants trust. Perlite insulation boards have been in the market for 68 years with millions of squares applied. You know it is going to work, from installation throughout the life of the roof. Over the years, Fesco has provided a dimensionally stable substrate for most roofing membranes and has been used over closed cell foam insulation boards and bituminous systems.

## Reduces Energy Consumption and Saves Money

Fesco provides insulating R-value. Fesco is manufactured with perlite blended with selected binders and fibers. The expanded perlite contains air cells which provide insulating efficiency. This saves money by reducing building energy usage over the life of the roof.

## Excellent Fire and Wind Resistance

Fesco has been rated in numerous FM Global (R) 1A-60, 1A-90 and 1A-180 fire and wind resistant systems and is also approved for use in specific Underwriters Laboratories Inc. Class A constructions and Roof/Ceiling hourly fire-rated (P design) assemblies.

## Light Weight and Special Coating Makes It Easy to Install

The light weight of Fesco saves effort and labor during installation as well as minimizing dead weight on the roof structure. The top surface of the board is sealed with a special TopLoc® coating to prevent excessive absorption of asphalt during the installation process. The TopLoc coating also ensures proper membrane adhesion.

## High Recycled Content of 30% can qualify for LEED® credits

Fesco, with its high recycled content, is now more contemporary than ever. Fesco has 2% postindustrial recycled content and 28% postconsumer recycled content. JM pioneered sustainable products with Fesco as early as 1952, creating a new generation of environmentally smart products. Some new products are built around a recycled or sustainable content do not have decades of proven performance. Fesco is sustainable and it works!

## Preferred Choice for Hot Asphalt Applications

Gypsum cover boards are vulnerable to calcination in hot asphalt applications. This could result in blistering. Why take that chance? Choose the solution that has proven performance history—Fesco. Selecting the right products for the job allows you to deliver high-quality service and credibility to the architect, owner or specifier.

## Fesco Offers Clear Advantages to Wood Fiber

Fesco board has a flame spread index of 25 and smoke developed rating of 10. 1/2" Retro-Fit has a flame spread index of 40 and smoke developed rating of 40. Typical values for a wood fiber product would have flame spread index 80 and smoke developed rating of 400. From a physical property standpoint, perlite board products perform better than wood fiber products with respect to water absorption and moisture content. Per ASTM C 728 (specification for perlite thermal insulation board) and ASTM C 208 (specification for cellulosic fiber insulating board), the maximum water absorption is 1.5% by volume for Fesco, 3.5% by volume for 1/2" Retro-Fit, and 10% by volume for wood fiber board. Similarly, the maximum moisture content for wood fiber is 10% by weight per C208 and 4% by weight for both the perlite board products per our manufacturing specifications.

Johns Manville Roofing Systems are dedicated to helping you defy the elements with the most extensive offering of low-slope roofing solutions. To construct highly protective, energy-efficient and cost-effective roofs, an integrated JM system delivers more value than individually purchased components. Tested and proven to work together, the elements of a JM roofing system are designed to meet the specific requirements of each individual building.

Part of our systems approach is the inclusion of technical and customer support as well as strong guarantees which add peace of mind to the value equation. Single-source supply also means single-source responsibility and single-source dependability.

