



# HIGH PROFILES

PROJECT HIGHLIGHTS FROM AROUND THE WORLD

## Cincinnati, Ohio's Great American Tower

### CAFCO® BLAZE-SHIELD® II Rises Tall in the Queen City

Designed by architect Mr. Gyo Obata, founding partner of Hellmuth, Obata + Kassabaum (HOK), the *Great American Tower at Queen City Square* combines impressive architectural design with advanced environmentally friendly technology and construction materials. This high-rise office building stands 41-stories (660 feet above street level) and contains approximately 800,000 sq ft. of office space. Additionally there is a 2,000+ space parking garage. With particular focus on the environment, the design team has registered this project for LEED Certification, making it the most environmentally sensitive building in Cincinnati, Ohio.

For Turner Construction, the project's construction manager, the selection of an experienced well qualified fireproofing applicator was critical. With over 27 years experience in the installation of CAFCO products and having completed other high-rise projects on time and within budget, Omni Fireproofing Co. of Fairfield, OH was the obvious choice. When Omni Fireproofing had to make their selection of Spray-Applied Fire Resistant Material, it was also a clear decision.....**CAFCO BLAZE-SHIELD II!**

The Great American Tower at Queen City Square wasn't without its challenges, Tom Hochhausler, owner of Omni Fireproofing Co. explains, "The project ran through the winter months. The perimeter fireproofing was exposed to the Ohio River rain, wind and snow. The BLAZE-SHIELD II withstood the harsh environment with no damage." The application itself posed several obstacles: building height, equipment maneuvering and the overall pace of the project. "The application technique of BLAZE-SHIELD II gave us an advantage during the installation process on this large, challenging, fast-paced project. The low pressure application equipment with light-weight hoses allowed us to move up the high-rise structure safely, quickly and efficiently," said Tom Hochhausler.



# CAFCO® BLAZE-SHIELD® II



## CAFCO BLAZE-SHIELD II

CAFCO BLAZE-SHIELD II is a portland cement based commercial density Spray-Applied Fire Resistive Material (SFRM) engineered to provide superior fire protection for the widest variety of structural steel in the commercial construction market. BLAZE-SHIELD II offers not only proven fire resistance performance but other critical characteristics such as being the most environmentally friendly product, containing 67% pre-consumer recycled content along with raw materials and manufacturing within 150 miles of the project. The product also offers a thermal resistance rating (R-value) of 3.33/in. and a noise reduction coefficient (NRC) of 0.75 @ 1/2", which is far superior to that of other SFRMs. Along with a durable finish and cement based binder system BLAZE-SHIELD II is "investigated for exterior exposure" by Underwriters Laboratories, Inc. (UL) and is able to withstand moderate weather exposure during the construction cycle. BLAZE-SHIELD II provides tested performance that exceeds American Institute of Architects (AIA)/General Services Administration (GSA) performance standards. BLAZE-SHIELD II is the only commercial density product to have been tested to and passed the rigors of a 1 bar blast overpressure (blast resistance). This evaluation was conducted by Spadeadam located in the United Kingdom and witnessed by Lloyd's Register. All of these product characteristics were of importance

when selecting a fireproofing product for the Great American Tower at Queen City Square.

In addition to the recycled content and manufacturing location, CAFCO BLAZE-SHIELD II fireproofing material can offer significant contributions to the LEED Green Building Rating System in accordance with LEED-NC Version 3.0 for New Construction and Major Renovations. The product's packaging is recyclable and can contribute to earning Materials and Resource Credit 2.1 and Credit 2.2. CAFCO BLAZE-SHIELD II is packaged in plastic recyclable film and is supplied on recycled wooden pallets. The recycled content of CAFCO BLAZE-SHIELD II is 67% by weight (pre-consumer) and contributes to earning Materials and Resources Credit 4.1 and Credit 4.2. The volatile organic content (VOC) of the product is 0.0 pounds per gallon (0.0 grams per liter) and meets the LEED requirements for low-emitting materials and thus contributes to earning Indoor Environmental Quality EQ Credit 4.2. BLAZE-SHIELD II goes beyond the standardized environmental rating systems and provides other environmentally conscious attributes such as utilizing up to 50% less water and no detectable out gassing. CAFCO BLAZE-SHIELD II is one of the most environmentally friendly SFRMs commercially available in the world today.

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### For Further Information

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