



# HIGH PROFILES

PROJECT HIGHLIGHTS FROM AROUND THE WORLD

## Arizona's Cardinals Stadium

### CAFCO® BLAZE SHIELD® HP Raises the Bar in Stadium Design Innovation

Designed by architect Peter Eisenman and HOK Sport, the new Arizona Cardinals Stadium takes design innovation to the next level. This multifunctional facility combines a versatile roof system with a retractable field to better service a wider variety of sporting activities. While the basic elements remain the same, the number of functional and technological advances present unique and exciting opportunities for fire protection engineers and applicators alike. Depending upon the location, the fireproofing is exposed to a variety of environmental conditions, such as, dry desert heat, direct weather exposure and periodic vibration; CAFCO BLAZE-SHIELD HP is the perfect blend of pure functionality with proven performance.

A local fireproofing applicator, Rolling Plains Construction was selected to install the CAFCO BLAZE-SHIELD HP to large exposed trusses that support the retractable playing field. Achieving the desired aesthetic appearance was critical to the design team. The results can be witnessed in the accompanying photos.



CAFCO BLAZE-SHIELD HP applied to the trusses.

**ISOLATEK**  
INTERNATIONAL



## CAFCO BLAZE-SHIELD HP

is a portland cement based, medium 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 HP's durable finish and cement based binder system enable it to withstand moderate weather exposure and limited physical abuse. CAFCO BLAZE-SHIELD HP has been tested and is classified as "investigated for exterior use" by Underwriters Laboratories, Inc. (UL). BLAZE-SHIELD HP provides tested performance that exceeds American Institute of Architects (AIA)/General Services Administration (GSA) performance standards. For example, the AIA/SC/GSA section 07811 cohesion/adhesion (ASTM E736) standard performance is 434 psf (20.8kPa) and the independent laboratory tested performance of CAFCO BLAZE-SHIELD HP is 1,421 psf (68 kPa). CAFCO BLAZE-SHIELD HP raises the bar in passive fire protection.

CAFCO BLAZE-SHIELD HP fireproofing materials can offer significant contributions to the Leadership in Energy and Environmental Design (LEED) Green Building Rating System in accordance with LEED-NC Version 2.2 for New Construction and Major Renovations. In areas where facilities exist, CAFCO BLAZE-SHIELD HP material is recyclable and can contribute to earning Materials and Resource Credit 2.1 and Credit 2.2 per the following LEED requirements: CAFCO BLAZE-SHIELD HP (Kraft Paper) and BLAZE-SHIELD HP (Wooden Pallets). The

recycled content of CAFCO BLAZE-SHIELD HP is 56% by weight (post consumer) and contributes to earning Materials and Resources Credit 4.1. The volatile organic content (VOC) of BLAZE-SHIELD HP 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. CAFCO BLAZE-SHIELD HP is one of the most environmentally friendly SFRMs commercially available in the world today.



*The playing field is being transferred inside the stadium past trusses fireproofed with CAFCO BLAZE-SHIELD HP.*

### For Further Information

**In the United States:** Isolatek International, Stanhope, New Jersey Tel: 800.631.9600 Fax: 973.347.9170

**In Mexico & Central America:** Cafco Mexico S.A. de C.V., Mexico D.F. Tel: 52.55.5254.6683 Fax: 52.55.5531.7826

**In Andean Countries:** Cafco Andina S.A., Santiago, Chile Tel: 562.754.1394 Fax: 562.754.1393

**In Canada:** Cafco Industries, Toronto (Ontario) Tel: 888.873-0003 Fax: 416.679.2933



Visit our website at [www.cafco.com](http://www.cafco.com)  
or e-mail us at [cafco@isolatek.com](mailto:cafco@isolatek.com)

