

University of Phoenix Stadium Glendale, AZ



Designed by architect Peter Eisenman and HOK Sport, the University of Phoenix Stadium (home to the NFL's Arizona Cardinals) takes design innovation to the next level. This multi-functional 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 presents 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 is a Portland cement based, medium density Spray-Applied Fire Resistive Material (SFRM) that is engineered to provide superior fire protection for the widest variety of structural steel in the commercial construction market. CAFCO 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 provides tested performance that exceeds industry standard performance requirements. For example, its independent laboratory tested performance for Cohesion/Adhesion (ASTM E736) is 1,525 psf (73.0 kPa) compared to the industry standard value of 430 psf (20.0 kPa).

CAFCO BLAZE-SHIELD HP is one of the most environmentally friendly SFRMs commercially available in the world today and offers significant contributions to the LEED Green Building Rating System for New Construction and Major Renovations. In areas where facilities exist, Materials and Resource Credits can be attained. CAFCO BLAZE-SHIELD HP is shipped on wooden pallets which qualify for MR Credit 2. The recycled content of CAFCO BLAZE-SHIELD HP is 56% by weight (post consumer) and qualifies for MR Credit 4. In addition, CAFCO BLAZE-SHIELD HP meets the LEED requirements for low-emitting materials and contributes to earning Indoor Environmental Quality Credit 4 by having a volatile organic content (VOC) of 0.0 pounds per gallons (0.0 grams per liter).



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Brand

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