

Embry-Riddle Aeronautical University, Daytona, FL



Embry-Riddle Aeronautical University located in Daytona, Florida is the largest fully accredited private university that encompasses the engineering, research, and management of aviation and aerospace. The 185-acre east campus is currently being modernized and developed to accommodate the 5,700 undergraduates and 600 graduate students from over 100 countries. The following projects are part of a five-year update to the Daytona Beach campus.

Embry-Riddle Aeronautical University's new **Arts & Sciences Building** was a \$27.4 million project and is a 140,000 square-foot building, 4-1/2 stories high with a 15-foot tall dome that holds the largest university-owned telescope in Florida. Designed by architect Leo Daly, the structure consists of a steel frame including an exterior covering of curtain-wall and composite metal wall panels. This project was the first on campus to take advantage of Building Information Modeling (BIM). BIM is an intelligent 3D model-based process that gives professionals the insight and tools to more efficiently plan, design, construct and manage projects. These details referenced the protection of wide flange beams, joists, wide flange columns, hollow steel sections, and decking elements.

Kenpat, ISOLATEK'S Recognized Applicator, determined that CAFCO[®] 300 AC / ISOLATEK[®] Type 300 AC and CAFCO[®] SprayFilm[®] WB 3 / ISOLATEK Type WB 3 fireproofing were the most thermally efficient technologies to protect the steel from fire. Both products satisfy the required fire resistance rating and offer superior application efficiencies that benefit the construction schedule.

CAFCO 300 AC / ISOLATEK Type 300 AC was applied to various concealed floor and roof deck assemblies. CAFCO SprayFilm WB 3 / ISOLATEK Type WB 3 has an aesthetically pleasing and durable finish, making it ideally suited for application to the steel columns in the atrium of the building that hold the telescope.





Embry-Riddle Aeronautical University's new **Jim W. Henderson Administration and Welcome Center** building is a \$12 million, 30,000-square-foot building designed by Gresham, Smith, and Partners. This significant building is a gateway to the university which will exemplify the world-class education this school provides. The administration and welcome center was ultimately designed and constructed not only for efficiency but to also withstand hurricane and tornado winds which was the unfortunate destruction of the previous building.

This facility incorporates an interactive display of the university's history, meeting spaces, personnel offices, a hospitality suite, a communications center, an auditorium, and ballroom. The building was designed with numerous sustainable components with particular focus on selecting low VOC products.

ISOLATEK's Recognized Applicator, Action Spray-On Sys. Mid FL, Inc. of Orlando, FL, selected CAFCO® 300 / ISOLATEK® Type 300 for the areas requiring a commercial density Spray-Applied Fire Resistant Material. Once completed, the product was concealed behind finished walls and ceilings. CAFCO 300 / ISOLATEK Type 300 offers the best fire resistant performance per unit thickness of all Spray-Applied Fire Resistant Materials available on the market today.

Needing to satisfy the fire resistance rating for the exposed structural steel members on the glass curtain wall while maintaining the natural aesthetic of the steel framework itself, CAFCO® SprayFilm® WB 5 / ISOLATEK® Type WB 5 Intumescent Fireproofing was the product of choice. It's highly durable, impact resistant, and abrasion resistant properties were crucial to its ability to withstand the constant flow of foot traffic and activity within the space.



800.631.9600 or + 1 973.347.1200

technical@isolatek.com | technical-international@isolatek.com
www.isolatek.com



Brand

ISOLATEK INTERNATIONAL® provides passive fireproofing materials under the CAFCO® and FENDOLITE® trademark throughout the Americas and under the ISOLATEK® trademark throughout the world.

WE SAVE LIVES®

ISOLATEK®
Brand