



Toronto Pearson International Airport - Toronto, Ontario, Canada

A wide array of Isolatek International's structural steel fireproofing products are showcased on the Greater Toronto Airports Authority (GTAA) project, Canada's busiest airport.

The Toronto Airport project utilized a wide range of CAFCO[®] / ISOLATEK[®] Spray-Applied Fireproofing products including CAFCO 300 / ISOLATEK Type 300, CAFCO 400 / ISOLATEK Type 400, CAFCO BLAZE-SHIELD[®] II / ISOLATEK Type II, CAFCO HEAT-SHIELD[®] / ISOLATEK HEAT-SHIELD, CAFCO-BOARD[®] / ISOLATEK Type CB and CAFCO SprayFilm[®] / ISOLATEK Type WB Intumescent Fireproofing.



CAFCO SprayFilm / ISOLATEK Type WB was incorporated to accent critical exposed structural steel columns. SprayFilm is an extremely hard, durable, and decorative Intumescent Fireproofing. In following current trends for user friendly, environmentally safe products with improved performance, the GTAA mandated water-based intumescent coatings and restricted the use of solvent-based products. The old facility remained in operation while the new facility was constructed. The superintendent from Industria Thermal Inc., Kerry Wallace, said, "Adequate ventilation and job sequencing issues, along with the HAZMAT concerns of solvent-based intumescent coatings propelled the use of water-based materials."

The GTAA specified Underwriters Laboratories (UL) and / or Underwriters Laboratories of Canada (ULC) Design Listings only. UL/ULC is the only testing agency that requires classified intumescent coatings to pass a complete series of stringent environmental exposure tests. The UL environmental program is designed to ensure the long-term fire resistive performance of intumescent coatings.

CAFCO-BOARD / ISOLATEK Type CB provides architects the opportunity to value engineer additional energy savings in conjunction with the fire protection requirement. CAFCO-BOARD / ISOLATEK Type CB offers an R-Value of 4.2 per inch and an NRC value of 1.0 per two inches while providing the required fire resistance ratings. CAFCO-BOARD's / ISOLATEK Type CB ease of clean up allows applicators to complete their installations in the most efficient, cost effective manner. The fast paced construction schedule on the GTAA project required fire protection that could withstand direct weather exposure on the exterior portions of the concourse,

installed in harsh winter conditions and provide the required fire resistance ratings.

CAFCO-BOARD® / ISOLATEK® Type CB is a UL classified rigid, mineral wool board that provides up to 4 hours fire protection for columns and up to 3 hours fire protection for beams. CAFCO-BOARD / ISOLATEK Type CB is mechanically fastened to structural steel and possesses a worldwide reputation for being an exceptional performer in the Commercial sector.

The Project Manager for Industrial Thermal Inc., Derrick Saunders, said, “We should have used the CAFCO-BOARD / ISOLATEK Type CB much earlier. Trying to spray perimeter beams in Canadian winter conditions with no roof or curtain wall is a waste of time. No matter what we did to protect those beams from the elements, it simply did not work. CAFCO-BOARD / ISOLATEK Type CB is the solution to this fireproofing nightmare. CAFCO-BOARD / ISOLATEK Type CB is easy to install, saves time and money.”

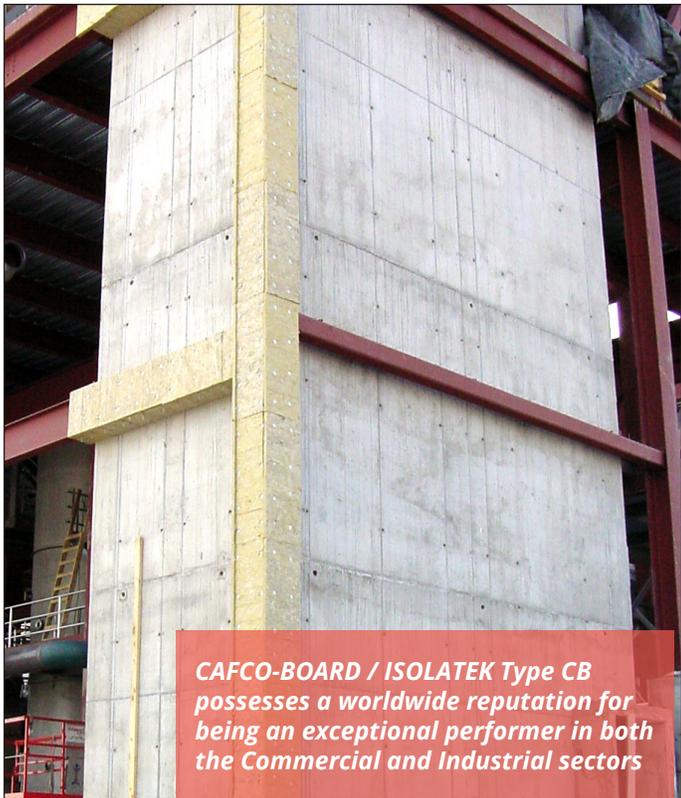
CAFCO® 300 / ISOLATEK Type 300 was utilized on the current terminal expansion in areas requiring a commercial density Spray-Applied Fireproofing. Within these areas,

CAFCO 300 / ISOLATEK Type 300 was concealed behind finished ceilings and was also left exposed in all areas exceeding a height of ten feet.

Within areas subjected to higher levels of physical abuse, structural steel columns and beams below 10-feet were protected with CAFCO 400 / ISOLATEK Type 400. This medium density Portland cement based Spray-Applied Fireproofing combines exceptional physical and fire resistive performance.

Both CAFCO 300 / ISOLATEK Type 300 and CAFCO 400 / ISOLATEK Type 400 offer the best fire resistive performance per unit thickness of all Spray-Applied Fireproofing products available on the market today. This, coupled with their ability to satisfy all project specification requirements, proved once again that Isolatek International products are superior to the competition and continue to be the product of choice at Toronto’s Pearson International Airport.

The GTAA project reaffirms Isolatek International’s ability to provide not only the right fire protection products, but also to develop specific design solutions for unique construction assemblies.



800.631.9600 or + 1 973.347.1200

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



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®

