

## Wilshire Grand Center Downtown LA, CA

At 73 stories in height, the Wilshire Grand Center is the tallest building in the western United States and includes 900 hotel rooms, state of the art restaurants, businesses and nightlife attractions. For Project Team Members, including the architectural firm of AC Martin Partners, Inc. and General Contractor Turner Construction, specification and selection of the appropriate Applied Fireproofing products for this prominent, high-rise structure was of critical importance.

Exceeding a building height of 420 ft. meant that Wilshire Grand Center's structural steel framework would have to be protected with Applied Fireproofing products capable of achieving minimum individual bond strength values of 1,000 psf. Section 403 and Table 403.2.4 of the International Building Code (IBC) and the 2013 California Building Code set forth minimum bond strength requirements for high-rise buildings. Several Applied Fireproofing products were specified and ranged in density types including commercial density ultra high strength, medium density, and high density.



ISOLATEK® / CAFCO® Recognized Applicators Martin Bros. of Gardena, CA partnered with Versatile Coatings, Inc. of Azusa, CA to form a joint venture to install the Applied Fireproofing and Intumescent Fireproofing. They selected Isolatek International's CAFCO 400 AC / ISOLATEK Type 400 AC, the leading gypsum-based, medium density Applied Fireproofing on the market today. CAFCO 400 AC / ISOLATEK Type 400 AC is the most complete and most efficient Applied Fireproofing system in the medium density category because of its superior thermal performance, CAFCO 400 ES (EXTENDED SET) / ISOLATEK Type 400 ES (EXTENDED SET) and ISOLATEK QWIK-SET® system components, all of which contribute to improved applicator productivity. CAFCO 400 ES (EXTENDED SET) / ISOLATEK Type 400 ES (EXTENDED SET) eliminates the need for daily flushing and priming of the material hoses, resulting in additional spray time each day while also diverting construction waste from disposal. ISOLATEK QWIK-SET allows the required thicknesses to be achieved in a timelier manner. Equally as important is the ability of CAFCO 400 AC / ISOLATEK Type 400 AC to far exceed

the minimum IBC bond strength requirement of 1,000 psf for this structure, which stands at a height approaching 1,100 ft.

Joe Colavita, Fireproofing Manager/Estimator with Martin Bros. says, "The decision to use the CAFCO® 400 AC / ISOLATEK® Type 400 AC enabled us to save over 5000 bags on the overall project. This turned into very substantial labor and material cost savings. Having to pump the fireproofing vertically from 2 levels below ground, up 73 stories, was another concern of our team, but the material performed better than we expected and was very easy to pump and apply to the required



thickness on structural beams and columns. We had hundreds of decisions to make on this project and the decision to go with Isolatek was one of the best we made."

CAFCO FENDOLITE® M-II / ISOLATEK Type M-II high density, cement based Applied Fireproofing is installed in the parking garage/basement areas, where resistance to high impact and abrasion forces was of paramount importance. Within these areas where columns were exposed to view, CAFCO FENDOLITE M-II / ISOLATEK Type M-II was troweled smooth and the corners squared utilizing plastic nosed cornerbead.



CAFCO SprayFilm® WB 5 / ISOLATEK Type WB 5 water based Intumescent Fireproofing is installed to exposed interior Hollow Structural Section (HSS) columns throughout the building. Rated for 3-hours, the HSS columns required a Dry Film Thickness of 288 mils. CAFCO SprayFilm WB 5 / ISOLATEK Type WB 5 combines superior thermal efficiency, resulting in a lower installed cost as well as improved aesthetics. The finished appearance of the installed CAFCO SprayFilm WB 5 / ISOLATEK Type WB 5 exceeded Project Team Members' expectations.

Isolatek International is the world's leading single-source provider of structural steel fireproofing products that excel in thermal performance and durability, ease of application, and is supported by our knowledgeable team of technical professionals and ISOLATEK Recognized Applicators.

800.631.9600 or + 1 973.347.1200

[technical@isolatek.com](mailto:technical@isolatek.com) | [technical-international@isolatek.com](mailto:technical-international@isolatek.com)

[www.isolatek.com](http://www.isolatek.com)



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

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