

Intumescent Fireblocking

New Providence 225 E 45th St.



FF102 Fire Block



New York City, NY



2025 to Present

THE CHALLENGE



2025- Previously housing a 7-story city shelter in Midtown, 225 E 45th Street will now be the home of a new 21-story women's shelter and a supportive housing facility. This facility will house 131 permanent housing units, an on-site medical clinic, and more.

In this new development, architects decided to fit the new shelter with an exterior ACM and brick cladding design, ultimately triggering Section 718.2.6 of the 2022 NYC Building Code.

Dedicated to ensuring proper life safety standards, Tenmat's NYC OTCR/DOB Approved Intumescent Fireblocking was selected for this application. With its NYC OTCR/DOB approval in accordance with Section 718.2.1, Tenmat's Intumescent Fireblocking allows peace of mind for New Providence's selected architects and developers.

In normal conditions, the Tenmat's Intumescent Fireblocking allows for a maximum 2" air gap within the façade assembly. With this gap, the air cavity will promote proper air circulation and moisture management. When exposed to extremely high temperatures, the intumescent components will be activated. Once activated, the materials will expand rapidly – compartmentalizing the fire.

OUR SOLUTION



In response to the triggered Section 718.2.6 requirements, the architect selected Tenmat's FF102/50 Intumescent Fire Blocks, an OCTR/DOB-approved fireblocking solution known for its reliability, ease of installation, and tested performance.

To ensure New Providence's cladding system and Tenmat's FF102/50 Intumescent Fire Block are in compliance with NYC standards, this system underwent an NFPA 285 test. The results of this test were successful.



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