

CASE HISTORY:

**MTA Long Island Rail Road PENN STATION
PROTECTION & MAINTENANCE of STONE & METAL**

In 1995, a \$190 million restoration of Penn Station in NYC was completed that included installation of 77,000 sq.ft. of new flamed granite flooring, thousands of feet of new marble walls and several thousand feet of decorative bronze and stainless steel.

Protection of the granite floor from stains and contamination was a standing concern as restoration began. Weeks of performance and environmental safety tests by LIRR and Bechtel Corporation led to the specification of Richard James Specialty Chemical [RJSC] Corp's StoneLok™ "10" Penetrant. This was the only product able to meet the strict requirements for application safety, resistance to contamination, ease of cleaning and extreme durability against high traffic.

RJSC StoneLok was initially applied in late June 1994. With no change in the natural, original look of the stone, it has successfully protected the stone and grout from stains; and a comparison of cleaning costs pre- and post-treatment show a significant reduction in upkeep chemical and labor requirements.

LIRR operations management initiated procedures to clean the floors each night with RJSC StoneClean™ "60" and periodically with StoneClean & Strip in automatic scrubbers. In concert with the StoneLok surface, this protocol has continued to preserve the cleanliness and visual excellence of the installation, which carries 250,000 commuters per day. The station also uses StoneClean™ "60" on the marble walls to remove air-borne contamination; and has effectively used the product to clean smoke damage from all stone, metal and acoustic tile surfaces following track fires.

RJSC B₂C™ products were specified for the extensive decorative metal in the station, also after LIRR and Bechtel testing, to obtain tarnish-free and discoloration-free surfaces without need for cost-prohibitive continuous polishing.

All of the above RJSC products were exclusively specified for ongoing stone and metal upkeep in the bid for the 3-year Penn Station maintenance contract which was awarded in late Fall 1994.

Details of the above protection and maintenance protocols with RJSC products; and further information on results can be discussed with LIRR Management at Penn Station. Call RJSC for contact data.

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