

Photo 1.
The Statue of Liberty raising the Liberty
Torch in New York
Harbor.

Photo 2.
Inside view of the Ellis
Island Immigrant
Processing Building,
where immigrants
entering New York
Harbor first came
ashore to start the
immigration process.
The island is now part
of the Statue of Liberty
National Park.

Photo 3. Inside of the base of the Statue of Liberty before the restoration began.

Photo 4.
The renovation project included the building of a new handicappedaccessible exit ramp.

Photo 5. Installation work is completed. of immigrants and tourists upon their arrival in the USA for more than a century.

The Statue's story goes back to 1865, when the liberal intellectual Edouard René Lefebvre de Laboulaye and the sculptor Frédéric-Auguste Bartholdi of Paris decided to build a monument embodying the American ideals of political and ideological freedom and give it as a present to the fabled "Land of Opportunity". Bartholdi was commissioned to design the sculpture; and, since he required the assistance of an engineer, Alexandre Gustave Eiffel (the famous designer of the Eiffel Tower) was commissioned to design the monument's massive iron pylon and secondary skeleton framework.

The Statue was built in France and then shipped to the United States and assembled on Bedloe Island (later renamed Liberty Island). The American people were responsible for raising funds for the building of the pedestal. On October 28, 1886 the dedication of the Statue of Liberty took place in front of thousands of spectators, including U.S. President Grover Cleveland. In 1965 Ellis Island, an island in the New York Harbor facing Manhattan, was incorporated as part of the Statue of Liberty National Park. The island was the place where immigrants entering New York Harbor in the late 19th and in the 20th century first came ashore to begin the immigration process. The main building on Ellis Island is now a museum

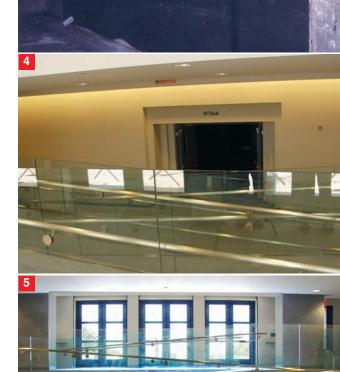


Photo 6. Gordon Emslie of Phillipsburg Marble sets granite tiles in the

Photo 7. Close-up of the completed ramp.

floor.

Photo 8. Granite tiles were installed on the stairs.



Photo 9. Robert Barron of Phillipsburg Marble stands near the completed ramp.

Photo 10. The updated exit at the base of the Statue is now ready to welcome



dedicated to the history of immigration. Today, tourists visiting the Statue of Liberty travel on a ferry boat that carries them first from the mainland to Ellis Island and then from Ellis Island to Liberty Island.

In 1984, a major remodelling of the Statue took place. The work included the replacement of the old damaged torch (now exhibited in the museum), which was substituted with a new one of solid copper. On July 5, 1986 the newly restored Statue of Liberty re-opened to the public. Since then, visitors have been able to walk onto the Statue's observation deck to see the panoramic views of New York City and the harbour and view the Statue up close from her promenade and Fort Wood.



Works Carried out Using Mapei Products

Sometimes a job is more than just a job. When the work involves helping update the base of the Statue of Liberty, it becomes a matter of pride. Mapei, thanks to the technical assistance provided by its American subsidiary Mapei Corp., contributed to the work supplying selflevelers, mortar and grout products, which were used by Phillipsburg Marble Company Inc. in their refurbishment of floors, walkway and walls of the entryway to the Statue of Liberty. Much of the work was done on the third level within the base, which leads to the Fort Wood upper level.

A new handicapped-accessible exit ramp was part of this Life Safety Upgrade Project, which began on April 15, 2004. Stone workers and other employees from Phillipsburg Marble spent several months working on the installation of the granite in order to be ready for the Statue's reopening on August 3, 2004. The materials used in this update had to match those used during the remodelling of the Statue in 1986. An iridian (salt-and-pepper coloured) granite and dark pearl granite were set using GRANIRAPID SYSTEM* and KERACO-LOR* grout. But before the granite could be installed, the existing concrete floor had to be repaired and levelled. For this part of the job, the workers used ULTRAPRIME L* acrylic latex primer for concrete and ULTRAPLAN 1* self-

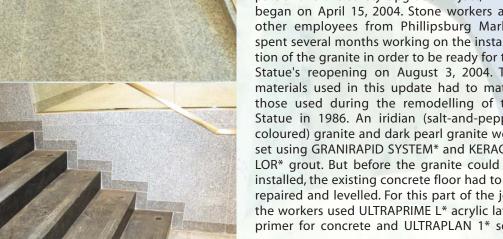




Photo 11.
The original Liberty
Torch, replaced in 1986,
is now exhibited inside
the base of the Statue.

levelling underlayment.

Robert Barron, president of Phillipsburg Marble, chose to use Mapei products because his company has worked with them frequently in the past and has always achieved excellent results. Once Secretary of the Interior Gail Norton announced that final plans had been approved to allow the public to once again enter the Statue's base, the project moved onto a very fast track Using GRANIRAPID SYSTEM* as the mortar allowed the installation crew to set the granite tile and wall panels without delay.

When asked about his overall impression of working on the Statue of Liberty, Barron said: "When Jospeh Natoli (of the Joseph A. Natoli Construction Corp. - the project's general contractor) selected us to do the stone and granite installation, we were proud to play even a small role in helping to once again make the Statue available to visitors. My crew tells me that there was a strong collaboration between all the trades working on the project. Everyone realized that it was a fast-track job; and they were very excited to work on our national monument. It helped everyone come together with pride in the work."

Mapei is likewise proud of the role its products played in helping update the base of America's national symbol of freedom and opportunity.

TECHNICAL DATA

Base of the Statue of Liberty, New York (USA) **Works:** repair of the existing concrete floor and installation of granite tiles on the third level within the base and on a new exit ramp

Year: 2004

Project: Highland Associates, New York

Contractor: Joseph A. Natoli Construction Corp., Pine Brook, New Jersey (USA)

Installation Company: Phillipsburg Marble Company Inc., Phillipsburg, New Jersey (USA)

Materials: granite tiles by Cold spring Granite Co.

Mapei Distributor: Phillipsburg Marble Company Inc.

Mapei Co-ordinator: Ed Parma, Mapei Corp.

*Mapei Products: Granirapid System,
Keracolor S, Ultraplan 1, Ultraprime L.
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