PROBLEM:
Challenged with constantly repainting safety markings on the tarmac at the Newark International Airport, Continental Airlines and the Port Authority were looking for a long-term marking solution using polyurea.

SOLUTION:
SPI’s AMP™ 100 an aliphatic modified polyurea was chosen due to its superior color stability, and its outstanding abrasion resistance. The old tarmac markings were removed with ultra-high water pressure. The new markings, yellow, red, white, blue and black were put down with Ramp Engineering’s patented application system: AMP™ 100 with AE-4 (Adhesion Enhancer), adding reflective glass spheres to the second 20 mil coat of AMP™ 100.

RESULTS:
This was the first time in which reflective spheres were added to the stream of AMP™ 100. Continental Airlines was very satisfied with the final product. The Port Authority of New York/New Jersey wrote a specification to use polyurea on future aviation projects. The owner performed a follow-up inspection two years later that showed total adhesion to the concrete and good color stability.