

PROJECT:
Concourse Striping

LOCATION:
Newark International Airport

OWNER:
Continental Airlines/Port Authority
of NY/NJ

APPLICATOR:
Ramp Engineering

COATING SYSTEM:
AMP™ 100 (Aliphatic Modified Polyurea)
with AE-4 (Adhesion Enhancer)
and reflective glass spheres added

TOTAL AREA:
Approximately 60,000 square feet

COMPLETION DATE:
2001-2003

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.

