



Safety Markings

Featuring AMP-100™

Project:
Concourse Striping

Location:
Newark International Airport

Owner:
Continental Airlines/Port Authority of NY/NJ

Applicator:
Ramp Engineering

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.



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