



# CASE STUDY

## AIR CANADA

## Airport Taxiway Repair



Section of taxiway being prepped for repairs.



DensoBand™ is used for sealing hot asphalt to cold joints including asphalt, concrete and steel.



Repaired patch where the DensoBand™ will withstand future asphalt movement and thermal expansion.

### Project Data

Location	Toronto, Canada
Completion	2016
Project Type	Taxiway Patch Repairs
Products Used	DensoBand™
Contractor or Applied By	Graham Bros. Construction

### Project Details

When the flag carrier and largest airline in Canada needed to replace three large patches of damaged concrete and asphalt on the taxiway, Air Canada turned to Denso North America.

Air Canada is the world's tenth-largest passenger airline by fleet size, and is a founding member of the Star Alliance, operating on average more than 1,530 scheduled flights daily. Lester B. Pearson International Airport, about 22 kilometres outside of downtown Toronto, is the main hub for Air Canada and is the largest and busiest airport in Canada.

Operating out of the hanger at Terminal 1, Air Canada moves hundreds of jets across the taxiway onto and off of the runway system daily and demands reliable and long lasting infrastructure to make those operations run smoothly. DensoBand was considered an integral part in prolonging the life of this infrastructure and 550 linear metres of 8mm x 75mm DensoBand was utilized on both asphalt and concrete for the sealing and repairs. DensoBand is available in a variety of widths and thicknesses and operates like a gasket between new asphalt and existing materials ensuring that through expansion and contraction, freeze and thaw, vibration and shifting the protected joints remain closed and water is kept out.

### Benefits

- Uniform, watertight, flexible seal
- High adhesion strength, high durability
- Quick installation
- Prevents cracking and propagation expansion
- Hand or machine applied
- Withstands asphalt movement and thermal expansion

Date Published: 10/2017

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