



AQUA PATCH

Presented by



JALUX Business Segment

**Aviation &
Airport
Business**

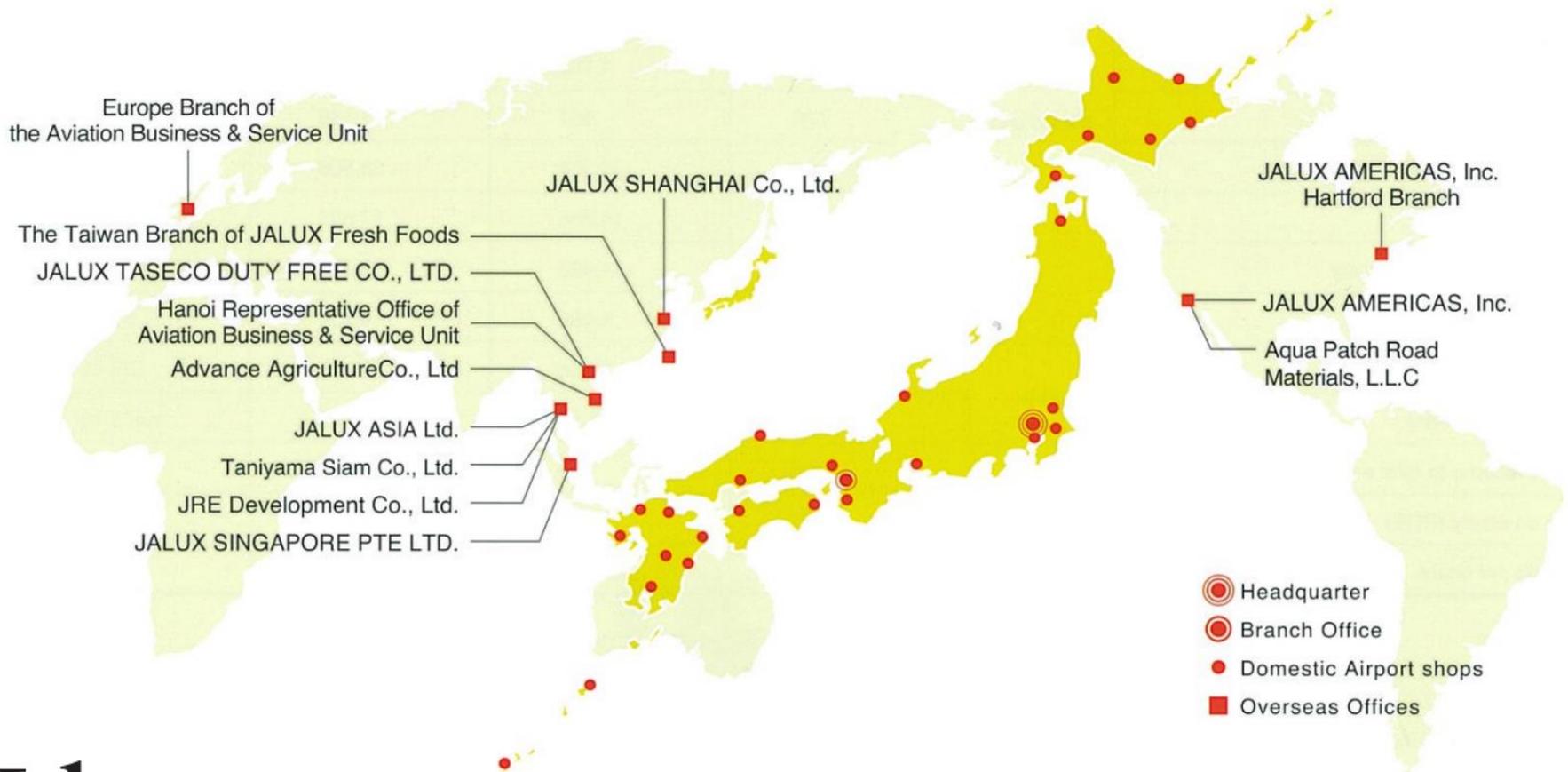
**Retail
Business**

**Life Service
Business**

**Food &
Beverage
Business**



Network of business offices





What is AQUA PATCH??

“High Performance Cold Mix Asphalt in a Bag”

**A truly permanent repair solution
that performs as well as Hot Mix Asphalt!!**



What is AQUA PATCH?? (Cont.)

Easy!

Quick!!

Durable!!!

First and Permanent solution for pothole repairs

How Easy ?

AQUA PATCH can be used in any SEASON any WEATHER

Apply



Water

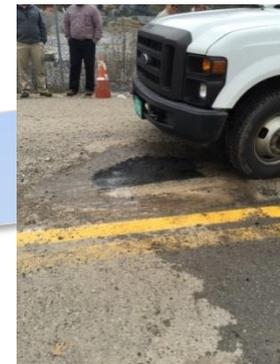
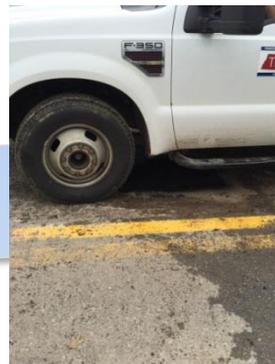


Compact



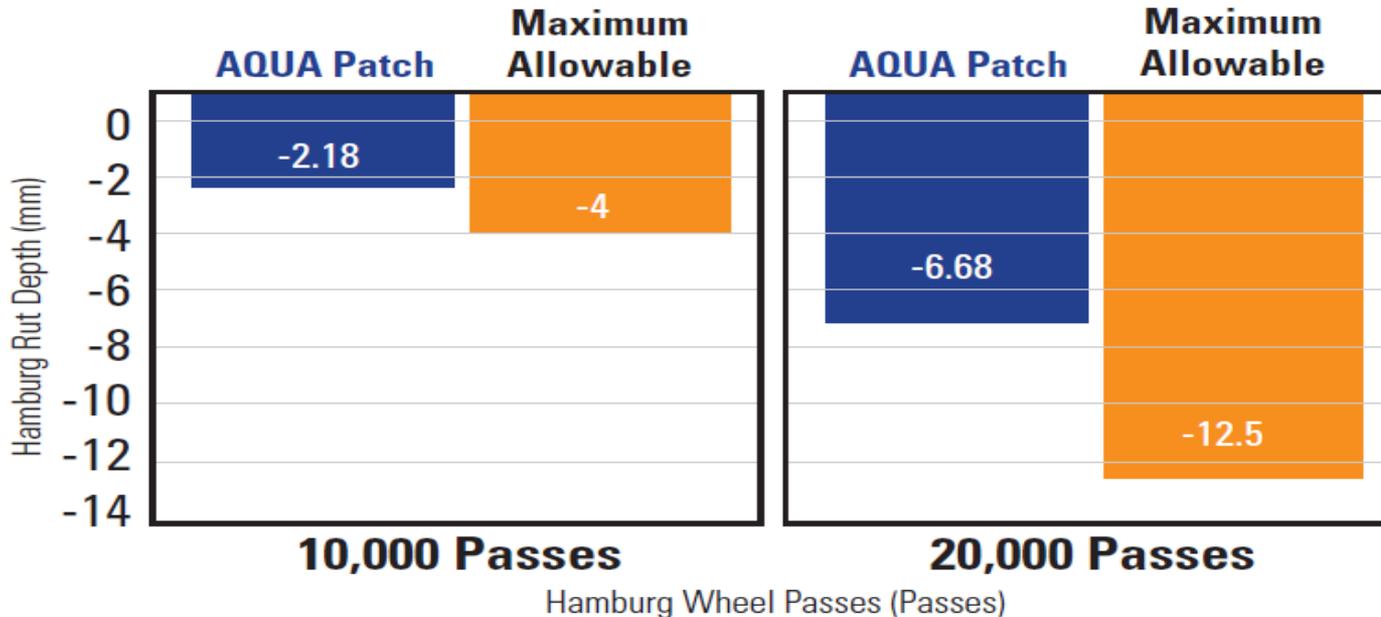
How Quick? ?

A roadway can be re-opened to traffic immediately after application.



How Durable?

Hamburg Wheel Tracking Test (AASHTO T324)



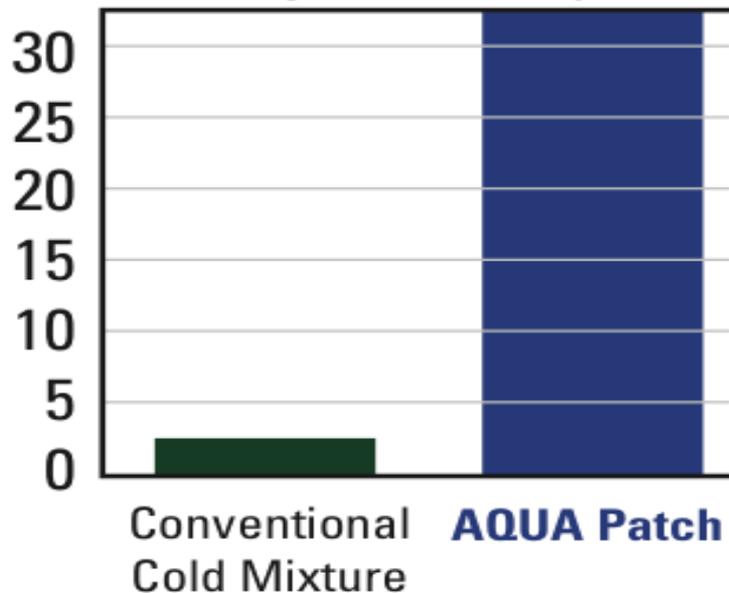
AQUA PATCH is as hard as Hot Mix Asphalt.

Hamburg Wheel Tracking Test shows AQUA PATCH is exceeding the allowance.

How Durable?(Cont.)

Marshall Stability Test

(Curing: 20°C x 7 days)

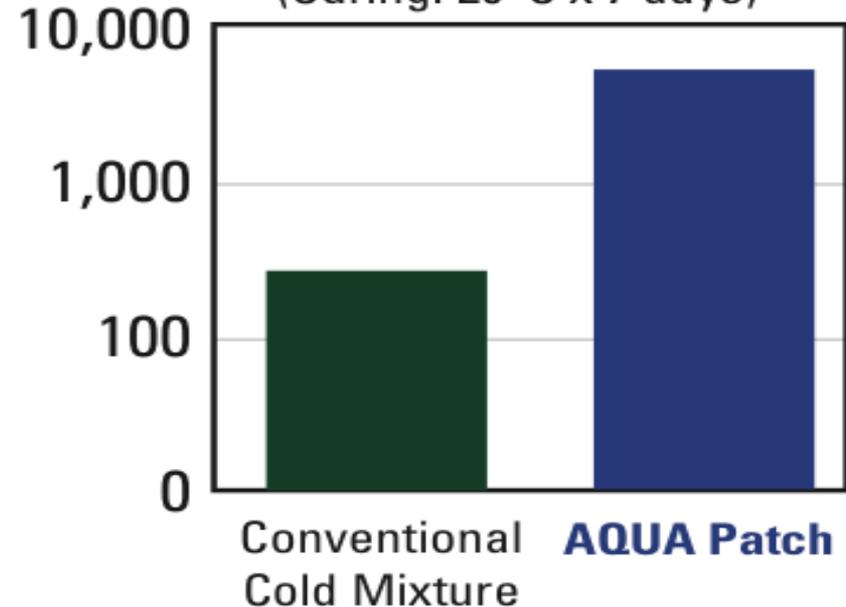


AQUA PATCH is durable against more than 30kN pressure.

(kN = kilonewton)

Wheel Tracking Test

(Curing: 20°C x 7 days)

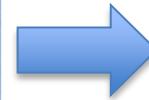


AQUA PATCH is durable close to 10,000 passes of wheel tracking up to 1mm depth rut.

How Durable?(Cont 2.)

Caltrans Field Trial

◇ Right After Compaction



◇ One year Later



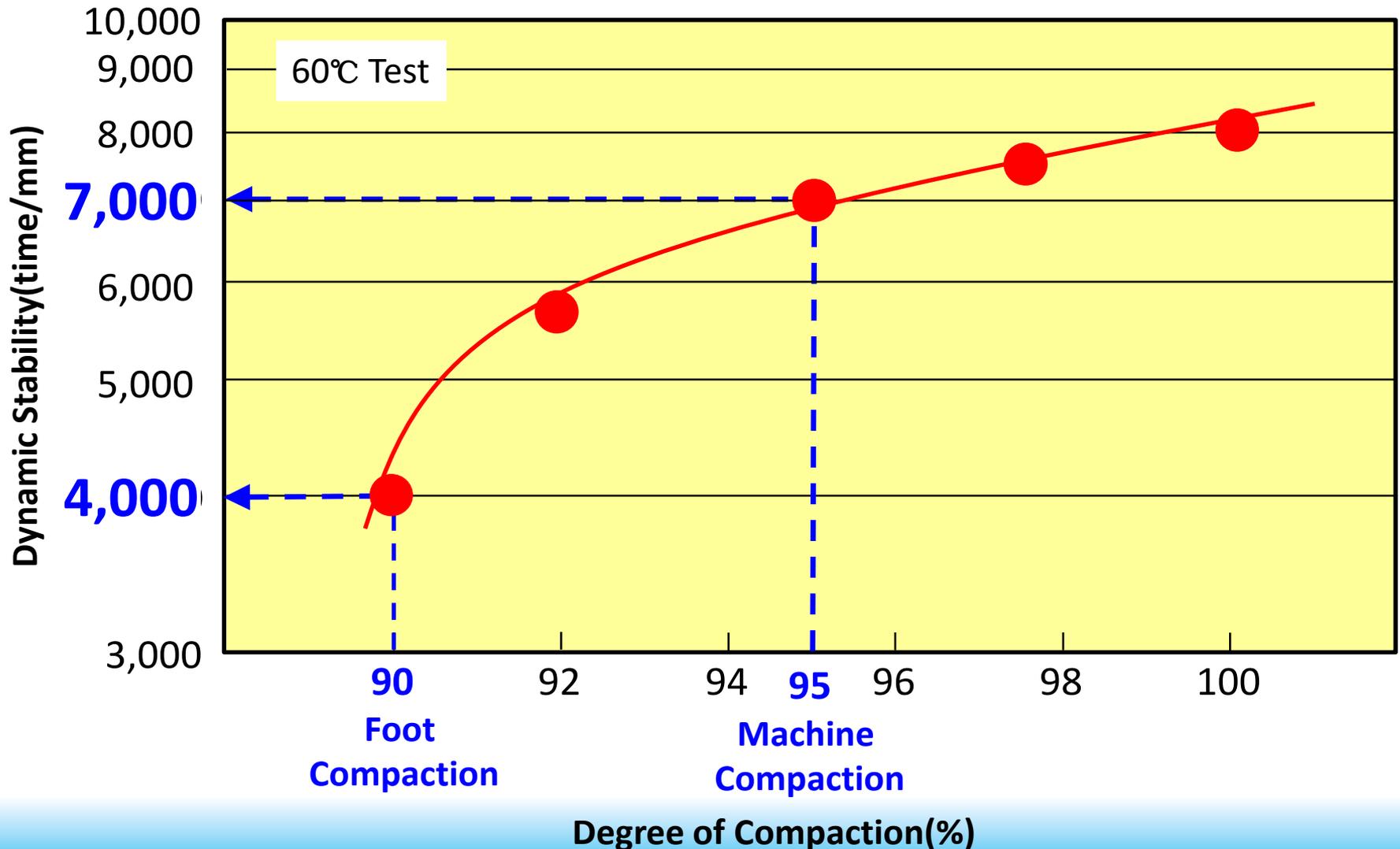
How Durable?(Cont 2.)

Tennessee State DOT Field Trial





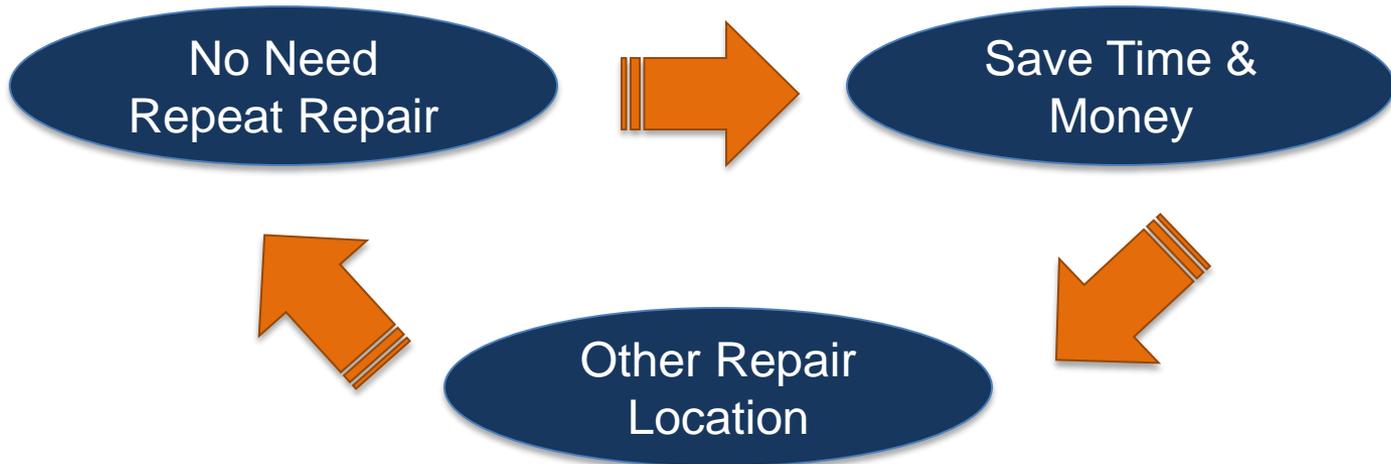
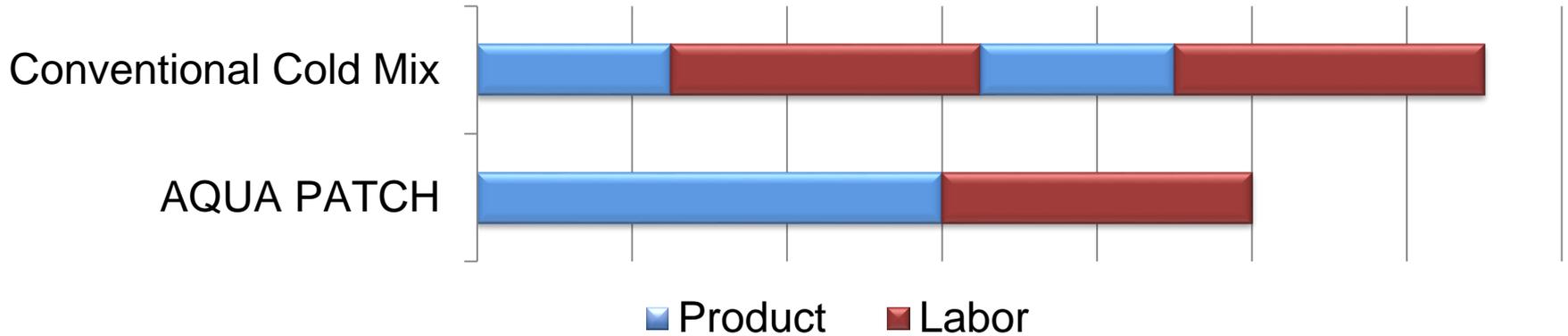
The relationship between Compaction and Stability



The Benefit

AQUA PATCH	✓	✓	✓	✓	✓	✓	✓	✓	✓
HOT MIX	✓	x	x	✓	x	x	x	x	x
Standard COLD MIX	x	x	x	x	x	x	x	✓	✓
	<i>Permanent</i>	<i>Works in water</i>	<i>No tack coat required</i>	<i>No flushing or bleeding</i>	<i>Trafficable immediately</i>	<i>6 months shelf life in bags</i>	<i>20KG bag</i>	<i>No fume hazards</i>	<i>Operational versatility</i>

Commercial Advantage



History & Characteristic

History

- ✓ MAEDA ROAD CONSTRUCTION Co., Ltd. In Japan invested for 10 years of R&D.
- ✓ 5 years of Sales & Marketing in Japan.
- ✓ 2 years of Sales & Marketing in USA by AQUA PATCH ROAD MATERIAL LLC.

Characteristic

- ✓ Package 35lbs bag in US, can be customized.
- ✓ 6 months shelf life after production.
- ✓ Keep bag sealed until use.
- ✓ Keep away from water during transportation and storage .(if any)
- ✓ Do not attempt to reuse the material, once exposed to water and material begins to harden.
- ✓ Use the product shortly after opening the bag.

AQUA PATCH