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FIBERMAT in North America

COLAS – SECMAIR actions

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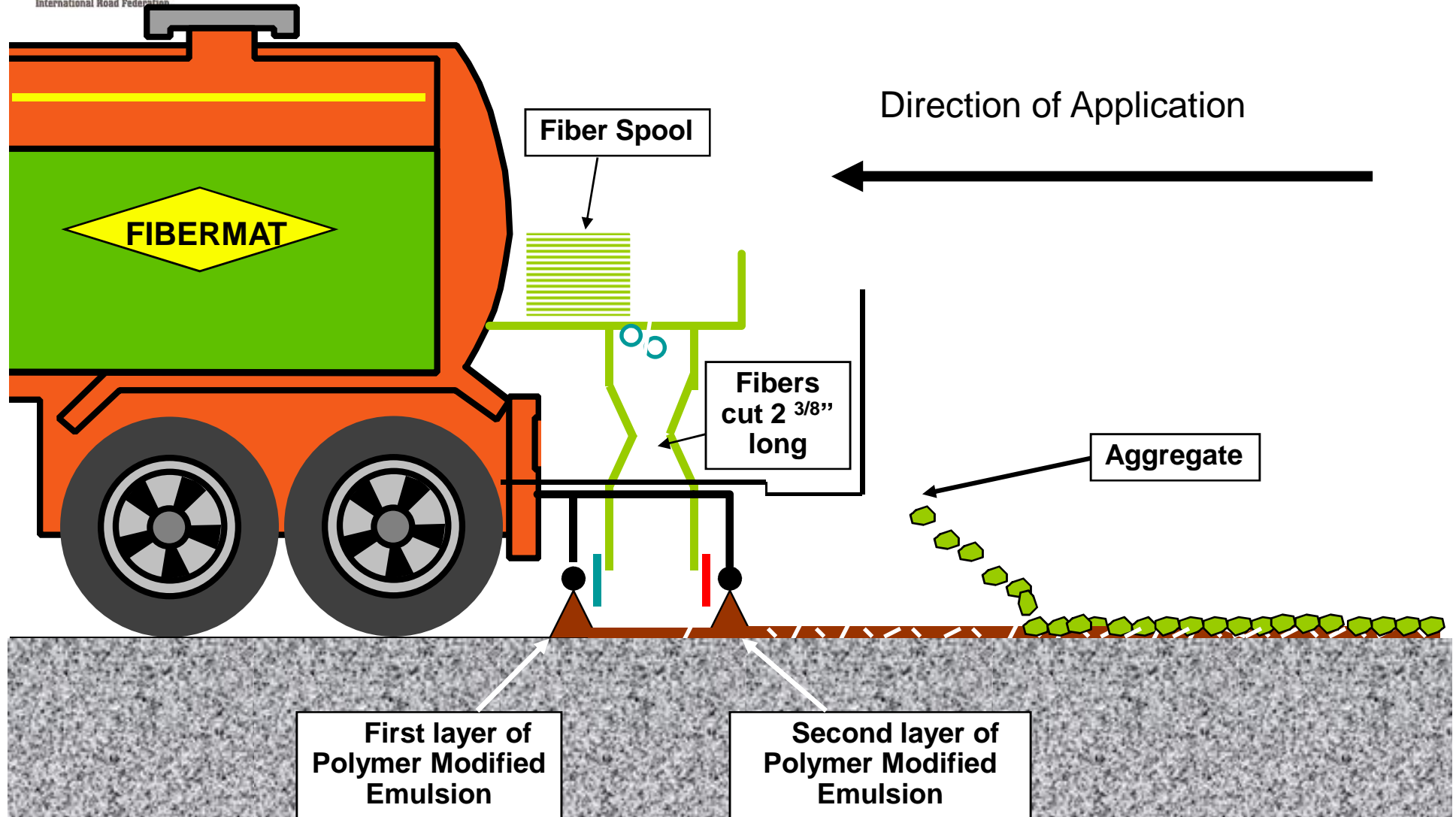
Fibermat in North America

- The process
- Why the actions COLAS –SECMAIR?
- The machine and the development
- Conclusions



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The process in action





The process

- Fiber reinforced chip seal to fight reflective cracks
- COLAS Ltd initiated this technique in the UK
- 2002- in the US introduction of this technique
- Equipment linked to European roads
- Need to high production equipment



Fibredec - Historic

- Old materials built by COLAS Ltd should be replaced
- Patent lasted up to 2006
- Need for new material for the development
- Need supplier to make it by using our knowledge and experience



Requirements

- Increase the fiber rate up to 150 g/m² (60 g/m² with the old equipment)
- Same number of cutter and nozzles (widening possibility)
- Increase of the transversal fiber distribution
- Easier maintenance



The actions

- Creating a trailer with bars and fiber systems
- Enough for more than 35 000m² per day (fiber in spools)
- Automatisatisation of the process



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Here is the result





Today

- 14-15 machines in North America
- Sub licensees (in the US and Canada)
- More than 10 M m2 applied since 2004
- Strong development for the future



Conclusions

- Reliable machine
- Some issues with units and language
- Strong commitments of both companies

- Future looks bright