

LISBOA 2010 16th World Meeting

MAY 25/28



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FIBERMAT in North America

COLAS – SECMAIR actions

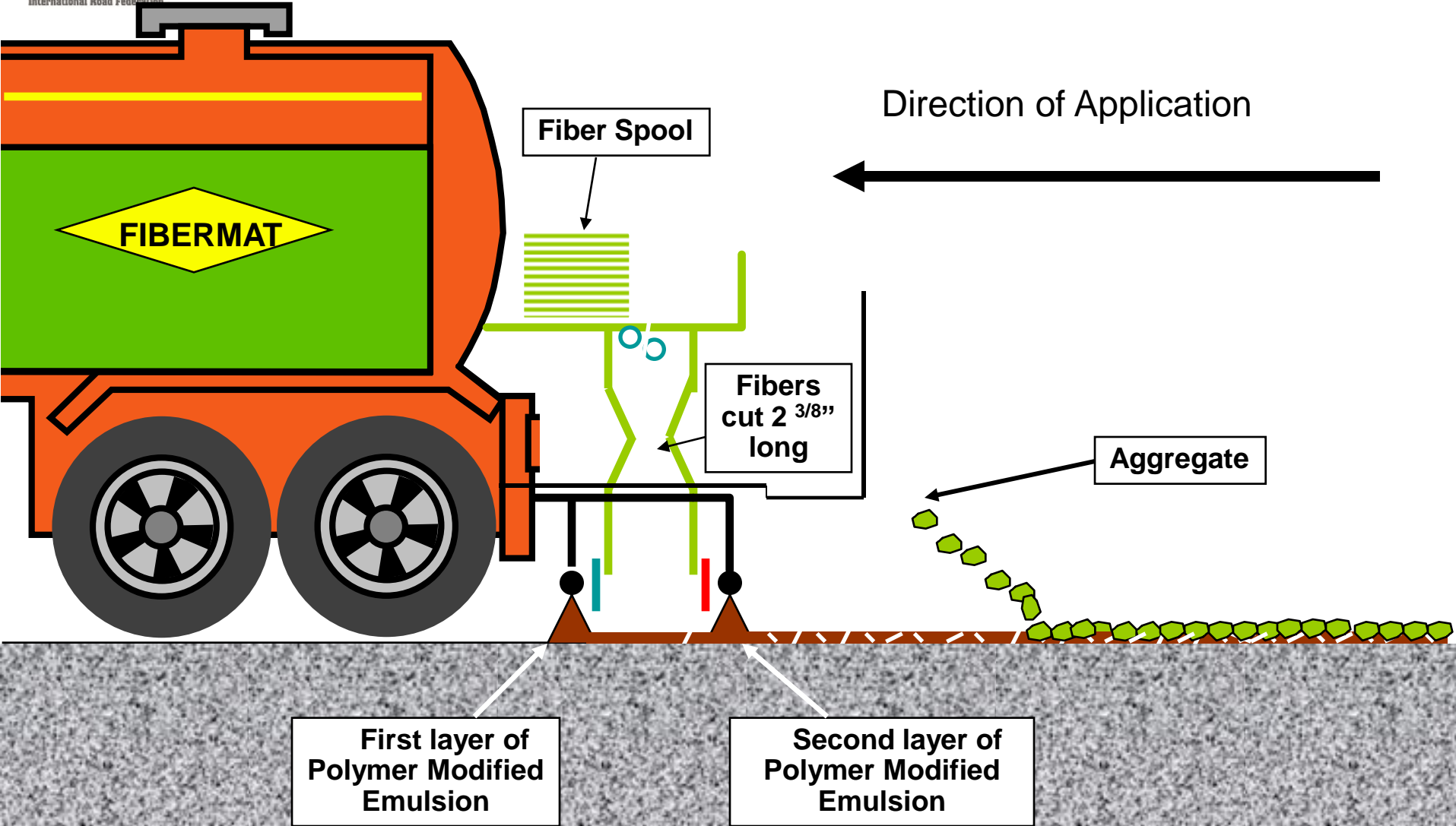
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Fibermat in North America

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

The process in action





Sharing the road
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International Road Federation

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



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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

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