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
Fiber Spool

Aggregate

First layer of Polymer Modified Emulsion

Second layer of Polymer Modified Emulsion

The process in action

Direction of Application

Fibers cut 2 3/8” long
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
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 35,000 m² per day (fiber in spools)

• Automatisation 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