

safety and protection  
performance fibres  
intelligent textiles  
sports and leisure  
medical textiles  
technical fabrics  
construction  
geotextiles  
automoti  
com  
la

# TECHNICAL *Textiles* international

FEBRUARY 2012



- *Natural-fibre-reinforced composites come of age in automobiles*
- *Flame-retardant fabrics find markets beyond the military*
- *Asian investors look to invest in European expertise*
- *New Chief Executive reveals his plans for Cooley*

IN

<http://www.technical-textiles.net>

filtration  
coating



# TECHNICAL *Textiles* international



John McCurry discovers that, while military markets are important, they are not the only ones driving growth for flame-retardant fabrics pages 17–21.



John McCurry finds out what Dan Dwight, new President and Chief Executive Officer, plans for the Cooley Group pages 27–30.



Adrian Wilson investigates the background to Oerlikon Textile's decision to relocate its headquarters to Shanghai, China pages 23–26.

## *net*

<http://www.technical-textiles.net>

## CONTENTS — FEBRUARY 2012

### COMPOSITES/TRANSPORTATION

- 11 A natural route—from the Trabant to modern German vehicles

### SAFETY AND PROTECTION

- 17 Combining the best in flame-retardant protection with comfort

### INDUSTRY TRENDS

- 23 Asia's investors reveal their appetite for textile technologies

### COMPANY PROFILE

- 27 Pioneering Cooley now looks to export its innovation worldwide

### COATING AND LAMINATING

- 31 Practical plasma technology takes another step towards reality

### JEC PREVIEW

- 36 From Paris to Boston, via Singapore, JEC circles the globe in 2012

### News and regular features

- 2 **Editorial**  
Must we reinforce composites for cars with carbon fibres?
- 3 **Business and industry news**  
TenCate buys ABDS to enter market for protection against roadside bombs • Lyocell patents in dispute • Tent components are covered by latest clarification to the Berry Amendment • SCA announces major reorganization • TenCate Geotubes win exclusive contract for US dredging project
- 7 **Applications and products news**  
Teijin launches fine-filament aramid yarn at SHOT exhibition • Alexium unveils novel fire-retardant treatment for polyamide • Sports- and leisurewear fabric range
- 10 **Markets news**  
Global growth for nonwovens... as well as for geosynthetics
- 37 **Diary of events** 40 **Index to advertisers**

### Cover pictures:



Nonwovens based on bast and cellulosic fibres as substrates for composites, such as Johnson Controls AE's glass-free headliner (Ecobond), have come a long way in the past twenty years. Adrian Wilson outlines why the industry believes their use will increase at above-average rates in the coming decade

pages 11–16.

Part of Technical-Textiles.Net, *Technical Textiles International* is published eight times a year by International Newsletters Ltd and is available online at: <http://www.technical-textiles.net>