

## Press release

marketing communication

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### **Innovative TenCate fabrics help firefighters to stay cooler**

**At the Emergency Service Show 2013 in Birmingham (UK) on September 25 and 26, TenCate Protective Fabrics will be exhibiting new lines in fabrics and systems for firefighter turnout gear that are more durable, lighter and excel in the reduction of heat stress, and help firefighters to stay cooler.**

For firefighters, efficient body cooling is extremely important. Improper heat and moisture management can disrupt this process, leading to loss of concentration, fatigue, breathing difficulties and ultimately heat stroke. TenCate Protective Fabrics has addressed these key functionalities. During the upcoming Emergency Service Show in Birmingham, TenCate will demonstrate several new and existing protective solutions, such as the TenCate Gemini XTL™ outer shell based on PBI® fibres, and TenCate Millenia™ turnout gear based on PBO fibres.

#### **Best performing outer shell**

TenCate Gemini XTL™ protective fabric is made from PBI® fibres and is the best performing PBI®-based outer shell on the market. Compared with other currently available fabrics made from PBI® fibres, it has the strongest tear and tensile strength and better resistance to abrasion – earning its top score for garment durability.

#### **Patented strongest and lightest turnout gear systems**

TenCate Millenia™, which is based on PBO fibres, is also offered in a layered system and is the world's strongest and lightest system for firefighter turnout gear. Because of its weight and the highly breathable thermal moisture barrier that facilitates efficient sweat evaporation, it helps to prevent heat stress.

Not only are the moisture management and breathability of the TenCate systems extremely good, these systems also offer excellent protection against water, chemical or blood splashes and blood-transmitted diseases. This TenCate thermal moisture barrier (ePTFE / PU-BI membrane) is based on a patented 3D technology that helps to realize improved insulation and reduced heat stress.

**TenCate Protective Fabrics EMEA  
Nijverdal, the Netherlands, Wednesday, 28 August 2013**

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#### **For further information:**

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The innovative protective fabrics of TenCate will be displayed at **the TenCate booth (H39, hall 17)** at the Emergency Service Show 2013 in the NEC in Birmingham (UK).

Digital photos are available upon request via [m.kok@tencate.com](mailto:m.kok@tencate.com)

**TenCate Protective Fabrics**

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**TenCate Protective Fabrics** is the world's No. 1 producer of protective fabrics for the manufacturing of safety wear. We supply garment makers with an extensive range of top-quality and technologically advanced fabrics.

The global R&D team of TenCate has great knowledge and experience in high-tech fabrics. Our many innovations have resulted in a wide range of highly regarded and, in many cases, patented fabrics.

Many people around the world are enjoying the protection of our fabrics – from firefighters in New York, Amsterdam and Montreal, to workers in world leading oil & gas companies and utilities, and various NATO armies, and more.

**Royal Ten Cate** (TenCate) is a multinational company that combines textile technology, chemical processes and material technology in the development and production of functional materials with distinctive properties. TenCate products are sold throughout the world.

Systems and materials from TenCate come under four areas of application: safety and protection, space and aerospace, infrastructure and environment, sport and recreation. TenCate occupies leading positions in protective fabrics, composites for aerospace, antiballistics, geosynthetics and synthetic turf. TenCate is listed on the NYSE Euronext (AMX).