

## Introducing Barrier by HeiQ, keeping you Dry, Clean and Green!

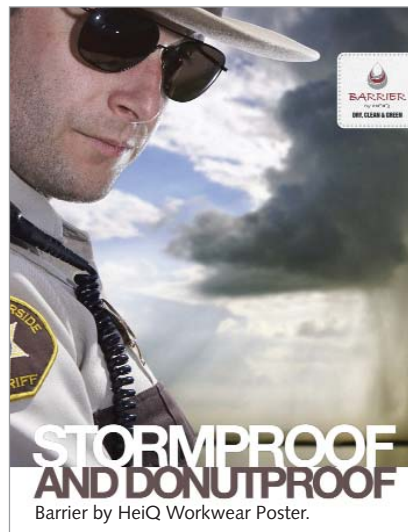
HeiQ Materials, the leader and inventor of silver composite additives and high performance sustainable textile finishes, has launched "Barrier by HeiQ" a revolutionary effect for textile surfaces. Barrier by HeiQ is a novel particle based water and oil repellency system, providing extraordinary protection against the elements and stains for all types of fabrics. Barrier by HeiQ is distinctly more effective than the common stain and weather resistant textile finish available on the market. The superior performance is possible thanks to the unique 3D structure of the textile surface built-up by specialized micro sized particles that are firmly embedded in the textile finish applied to the textile.

The special 3D surface structure which Barrier by HeiQ creates on the textile mini-

mizes the contact area between water or oil and the textile, thereby effectively preventing water, oil and stains from adhering to the surface. The Barrier by HeiQ technology is not only highly durable, the high performance of the technology can also cut the use of fluorine based repellency chemicals by up to 60%, making Barrier by HeiQ an environmentally responsible performance choice.

"Barrier by HeiQ offers a completely new dimension to functional finishing with conventional fluorocarbons and other particle-based repellent systems available on the market today" says Kristofer Skantze, Head of Marketing and Sales at HeiQ.

"It is the most advanced technology available to textiles to provide unparalleled

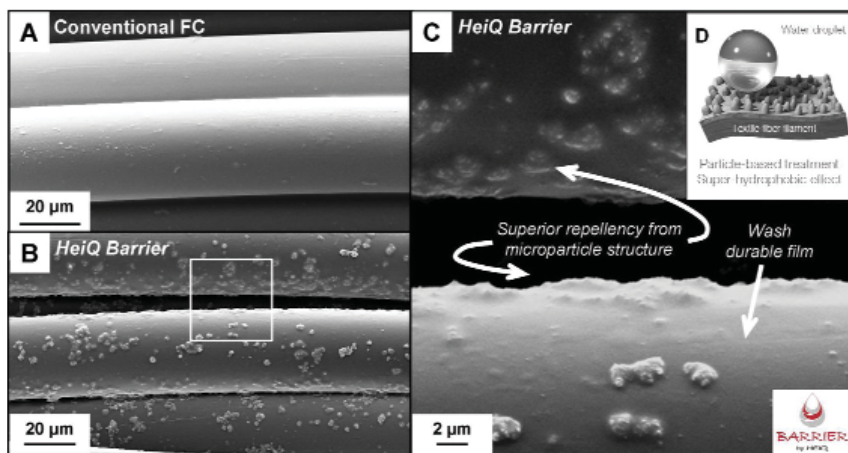


repellency and self-cleaning characteristics coupled with true sustainable credentials" added Kristofer Skantze.

The Barrier by HeiQ system of products offers the following advantages:

- ❖ Superior water and oil repellency.
- ❖ Unrivalled wash durability.
- ❖ Simple 1-step padding (foulard) application (process savings).
- ❖ Suitable for all fabric types.
- ❖ High performance with minimal fluorine (environmental sustainability).
- ❖ Directly compatible with other HeiQ effects (e.g. Pure by HeiQ antimicrobial textile effects).

For further information:  
[www.heiq.com](http://www.heiq.com) and  
[www.heiqmaterials.com](http://www.heiqmaterials.com).



Barrier by HeiQ Scanning Electron Microscope.

## James H. Heal presents an accurate and easy to use Digital Tear Tester Elmatear<sup>2</sup> 855

James H. Heal & Co. Ltd. recently launched Elmatear<sup>2</sup>, which is designed as a technologically superior instrument for testing the Tear Strength of light weight and heavy bottom weight textiles.

Elmatear<sup>2</sup> 855 conforms to the all of worlds test standards for 'Elmendorf-style' test methods including those of Europe, USA and all of the worlds Retailers. It is also conforms to common standards used by the non-woven, packaging, paper and plastics industries.



Elmatear<sup>2</sup> 855: An accurate and easy to use, Digital Tear Tester.

The instrument has a range of up to 64N by selecting one of the 4 easily changed Pendulum Weights. The optional E Pendulum provides increased tearing capacity up to a maximum of 128 Newtons, (13.05Kg).

Controlled by it's easy to use LCD graphics touch-screen Elmatear<sup>2</sup> 855 is designed to minimize the possibilities for operator error. Unlike most other ballistic Tear Testers Elmatear<sup>2</sup> has automatic pendulum weight detection and automatic zeroing. A sensor confirms that the initial cut has been made in the specimen and, on completion of a test the pendulum swing is stopped automatically.

The instrument is sold complete with individual checkweights that can be used to verify performance accuracy. The built-in USB connection and optional datalogger software, allows saving filing and exporting of test results and the printing of test reports.

Using their wealth of technical expertise and knowledge, the James H. Heal team have built a robust and durable instrument that is made from high-grade materials and is designed to give easy and accurate operation in the most demanding of environments. To ensure that testing can commence upon receipt of the instrument, a wide range of electrical connections and cables together with specimen templates and blade setting tool are included. ♦