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June 3, 2015
Mitsui Chemicals, Inc.
Mitsui Chemicals Industrial Products Ltd.

Antibacterial Copper Alloy Film "Copper Stopper™" Bolsters Performance of World-Standard Luggage Line, ProtecA by Ace Co., Ltd.

Tokyo - June 3, 2015 --- Mitsui Chemicals, Inc. (Tokyo: 4183; President & CEO: Tsutomu Tannowa) and Mitsui Chemicals Industrial Products Ltd. (President: Shu Saito) announced that Mitsui Chemicals' high performance antibacterial/anti-odor copper coating film, Copper Stopper™, which is distributed and serviced by Mitsui Chemicals Industrial Products, was selected by Ace Co., Ltd. (Shibuya, Tokyo; President: Hiroaki Morishita) for use in the interior fabric (copper jacquard) of their world-standard luggage line, ProtecA.

(Ace Co., Ltd. ProtecA GENIO CENTURY)

(Fabric: Copper Jacquard)

"Copper Stopper™", developed with Mitsui Chemicals proprietary technology, is a new material coated by vapor deposition nano-coating technology in the thickness of 10 to 100 nanometers. Use of alloy technology resolves the problem of corrosion to which copper is prone.

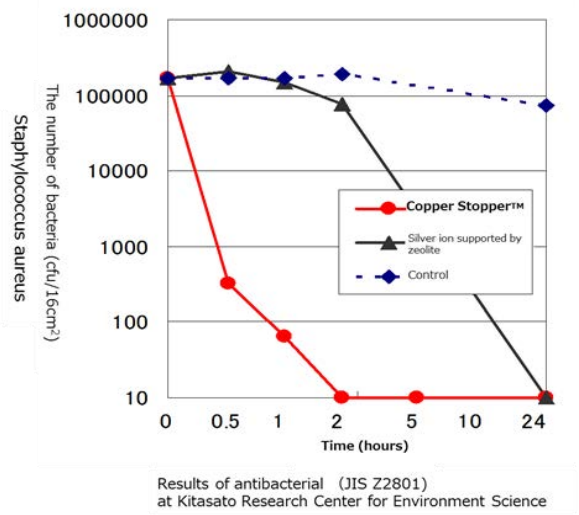
Ace Co., Ltd. collaborated with world-class designer, Oki Sato of Nendo to refurbish their key luggage brand, ProtecA, by reinforcing its high quality and high functionality with next-generation, high design. In line with their concept for ProtecA GENIO CENTURY, Mitsui Chemicals Industrial Products introduced traditional Japanese techniques used in making gold and silver threads for the copper alloy threads used in the luggage line's innovative and next-generation interior fabric "copper jacquard".

The Mitsui Chemicals Group will continue to pursue expansion of applications for "Copper Stopper™" to improve quality of life.

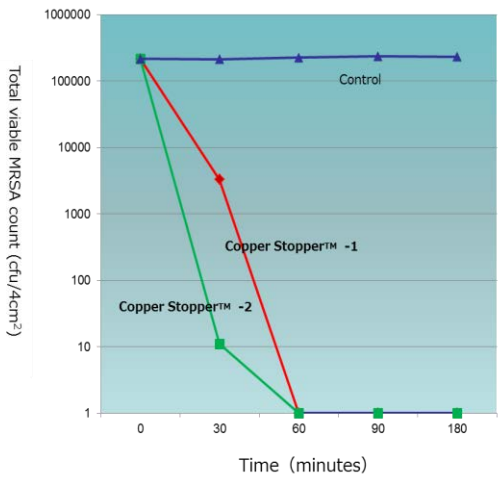
■Reference 1) Superior antibacterial effect of Copper Stopper™

*Data from in-house evaluation

Effect to staphylococcus aureus



Effect to MRSA



*Please contact to Mitsui Chemicals Industrial Products when you apply to medical devices

■Reference 2) Superior Antibacterial Effect of copper

Copper, an essential nutrient to humans, is known to be highly effective as an antibacterial agent in inhibiting the spread of infections such as A -type influenza virus and MRSA (methicillin -resistant Staphylococcus aureus). It is also known to inhibit growth of fungi such as Trichophyton. Copper's anti-allergen performance against cedar pollen and mite allergens has also been noted in recent years.

In March 2008, the United States Environmental Protection Agency (EPA) approved registration of antimicrobial copper and copper alloys, the first and only solid materials to receive this type of EPA registration[*1]. As a result, antimicrobial copper alloys have received global attention and are being adopted in hospitals, health and welfare establishments, nurseries, and other facilities requiring hygienic environmental conditions[*2].

*1) http://www.copper.org/about/pressreleases/2008/pr2008_Mar_25.html

*2) www.jcda.or.jp/english/tabid/117/Default.aspx