



Press Release - May 11

Textile manufacturer Toray Textiles Europe Ltd launches innovative molten metal splash protection fabric

Toray Textiles Europe Ltd, a world leader in textile manufacturing has launched an innovative heat and flame resistant fabric with exceptional durability offering enhanced protection against large and small molten metal splashes. ThermGuard™ Molten Repel with international patent pending has been designed to ensure workers are protected from molten metals such as iron, aluminium, cryolite, copper, magnesium and others.

ThermGuard™ Molten Repel is a unique, high performance durable fabric that protects against large and small molten metal splashes and has been developed for those working in foundries and in large, heavy industrial manufacturing plants where the processes of smelting, casting, welding, cutting and grinding are common. Because of the combined technology of Teflon® and meta aramid the fabric provides 'non-stick' and heat and flame resistance properties, molten metal splashes are simply repelled from the surface rather than sticking, providing exceptional levels of 'shedding' and durability. Molten metal splashes can stick to the surface of several types of protective garments and conduct heat through the fabric, which can lead to serious burn injuries and/or ignition of the garment. However, this innovative technology provides excellent shedding of molten metals plus being comfortable to wear and durable, retaining its properties for over 50 washes whilst continuing to achieve ISO 11612: D3 and E3.

ThermGuard™ Molten Repel has been developed in collaboration with customers, laundries and foundry end users to ensure outstanding quality and comfort is coupled with the performance requirements of ISO 11612:2008 – (A1, A2, B2, C2, D3 & E3) and ISO 11611:2007 – Class 2. It also conforms to EN ISO 6530:2005 for chemical splash protection and acid and alkali liquid penetration and meets the requirements of EN 61482-1-2:2007 – Class 2 protecting against the thermal hazards of an electric arc.

Mike Fisher, Associate Director Technical Textiles at Toray Textiles Europe Ltd explains “we are renowned world wide for our technical expertise and we have dedicated time and listened to our customers to produce this new innovative fabric that offers quality and performance far exceeding other fabrics currently available. From our fully integrated weaving & dyeing manufacturing plant in the UK we offer our customers quick response and the benefits of a bespoke sampling service to facilitate targeted developments”.

For more information on Toray Textiles Europe Limited or ThermGuard™ Molten Repel fabric please contact sales@ttel.co.uk or visit <http://www.ttel.co.uk>

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Notes to editors

Boiler Plate

Toray Textiles Europe Limited, a wholly owned subsidiary of Toray Industries Inc., is a manufacturer of technical textiles and the largest manufacturer of woven polyester and nylon fabrics in Europe. The organisation is committed to fulfilling the global requirements of customers, employers and shareholders, by adding value and excellence through innovation, quality and service in textile related products, whilst upholding its social responsibility to health, safety and the environment

With a purpose built manufacturing plant in the UK, Toray Textiles Europe Limited can offer short lead times and quick response with full colour matching and a sampling service to facilitate targeted development.

www.ttel.co.uk

Photo Caption: to be confirmed

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Press Release Reference No: 7343