

Press release

November 3, 2015

Blechexpo 2015: ThyssenKrupp Steel Europe presents TRIBOND®, a unique, production-ready steel hybrid. Other new products on display include PLADUR® Thermosafe and SCALUR®+Z (hall 4, booth 4308)

The 12th edition of the Blechexpo trade show, taking place in Stuttgart from November 3 to 6, 2015, will be the platform for a new material concept from ThyssenKrupp Steel Europe: Developed for hot forming, the hybrid material TRIBOND® is a groundbreaking innovation for customers in the automotive industry. The new three-layer material consists of ultrahigh-strength steel in the middle and ductile steel on the outside. This delivers properties that cannot be realized with homogeneous materials: high ductility and maximum strength in one product. TRIBOND® is particularly suitable for structural parts in cars that need to display very high strength, ductility and energy absorption, such as longitudinal members and B-pillars. TRIBOND® improves vehicle safety while at the same time allowing cost-efficient weight reduction. ThyssenKrupp Steel Europe is the only automotive supplier capable of offering tailored steel hybrid materials for hot forming.

Construction, appliances, energy: Further innovative solutions for a variety of industries

For the domestic appliance industry, ThyssenKrupp Steel Europe is presenting a new member of the PLADUR® family of coated sheet materials: “PLADUR® Thermosafe” makes for safe handling of hot surfaces of dryers or dishwashers by reducing the thermal conductivity of the steel and thus avoiding contact burns. Another new development in the PLADUR® segment will serve the construction industry: As the result of a development partnership with metal forming specialists Fielitz GmbH it is now possible to apply programmable 3D geometries to coil-coated surfaces for use in attractive facades. A designer washbasin from Kaldewei, made from a special cold-rolled enameling steel, really catches the eye. Completely different requirements need to

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be met by a hot-dip aluminized sheet from ThyssenKrupp Steel Europe used by US company Weber® Grill for its products. Further design highlights include the first tinplate aerosol can in Monobloc design from ThyssenKrupp Rasselstein, with excellent print quality and feel, a seamless print image and no visible bottom seam. Alternating layers of hard and ductile steel give kitchen knives made of Multibond Damascus steel from Hoesch Hohenlimburg their high impact toughness in day-to-day use – and provide another eye-catcher at Blechexpo.

E-mobility can benefit from an enhanced non-oriented electrical steel grade: Powercore is suitable for electric motors and combines low core losses with good mechanical properties.

ThyssenKrupp Steel Europe's display will be rounded out by engineering and construction products and further solutions for the car and truck sectors.

Experts from ThyssenKrupp will be pleased to discuss all these products directly with visitors. "This exchange helps us better understand our customers' needs and their expectations of us as an innovation partner," says Jörg Paffrath, head of Sales Industry at ThyssenKrupp Steel Europe.

ThyssenKrupp Steel Europe will be presenting its new products at Blechexpo in Stuttgart from November 3 to 6, 2015 together with subsidiaries ThyssenKrupp Rasselstein and Hoesch Hohenlimburg and materials experts from ThyssenKrupp Material Services. Visit us in hall 4, booth 4308.

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