

# Focusing On The Trends Of Fensterbau Frontale 2010

The Wormser surface coating specialists Zobel will be introducing numerous innovations to the international markets at their booth 5-301 in hall 5 at the Fensterbau Frontale, this year

The prestigious surface coating manufacturer will be presenting solutions to the challenges of tomorrow, that manufacturers, architects and retailers have to face. Sustainability, efficiency and safety are therefore the main topics that will be put in the foreground at their booth at the Nuremberg exhibition. "Our intention is to surprise the audience with innovative developments, which will enhance our pioneering role on the international market" Mr. Rudolf Menningen, MD, announces.

Zobel once again proves that the innovation the company has done in the area of engineered timbers has paid off. Based on the facts that tropical timbers are subject to shortage and fluctuations in quality, engineered timbers are becoming increasingly popular in the window manufacturing industry. These timbers offer the advantage, that they are grown locally and come from sustainable forests. However the utilisation partially requires drastic improvement of the characteristics of these timbers, such as dimensional stability and longevity. Meanwhile the market offers chemically treated timber, like Belmadur® and Accoya® and heat treated timber such as Thermo Beech and Thermo Pine. Despite the improved longevity against destructive fungi,

modified timbers predominantly require protection against blue stain.

Where choice and selection of the company's assortment of products are concerned, it is not necessary to take particularities into consideration. Despite the dramatic changes of the timbers properties, for example the acidic surfaces of Accoya®, no specialised products are required. When using the Zowosan products, the manufacturer achieve the accustomed high quality surface finish that they are used to. Therefore the stock levels remain small and manageable, despite the enhanced range of tasks. Undesirable capital lock therefore does not apply. As a general rule only three products are required to coat the surface of windows and doors, to achieve the desired transparent or opaque finish. The economical 3 coat finish can be obtained by using the white and coloured opaque surface coatings.

Zowosan® Deco-tec - eco-friendly protection of timber elements without dimensional stability - Besides windows and doors, customers furthermore have the possibility to coat timber elements, without dimensional stability, such as balcony planks, carpports, facade elements, garden fences or garden sheds with the Zobel systems giving them long term durability and preserving the value of the elements. The coating build up for Accoya® and Thermo Pine is simple. They offer Deco-tec 5400 weather protection glaze and Deco-tec 5450 weather protection paint, which can be applied with a paint brush. Both of the single component products are water based, and are therefore ECO- and user friendly. Deco-tec is specifically designed to cope with the elemental and dimensional changes.

As the weather protection products are conceived as multi-layer surface coatings, the coating layouts can be achieved with one

product. If further protection against blue stain is necessary, this issue can be solved by impregnating the timber with the translucent Deco-tec 5100 prior to further processing.

Deco-tec is specifically designed to cope with the elemental and dimensional changes. The high level of flexibility of Deco-tec allows the surface coating to compensate for swelling and shrinkage of the timber brought about by water. The humidity regulating properties of Deco-tec enhance the capability of the timber to get rid of unnecessary moistness, allowing the timber to "breathe".

Zowosan® products available in a wide range of colours - It goes without saying, that all of the Zowosan® surface coating products (Protec, Deco-tec and Zowo-plast®) can be mixed on the Zowosan® mixing machines, therefore offering the accustomed unlimited colour diversity, which enhances the other advantages of this system.

Zowosan® HaloDry® meets the spirit of the times - To meet the requirements of being one of the pioneers of groundbreaking technology the company offers manufacturers the possibility to accelerate drying with the HaloDry® halogen drying technology. The numerous HaloDry® systems can be customized to fulfil the demands of the users, therefore combining accelerated drying with a manageable investment. HaloDry® was not only intended to be applied in areas where accelerated forced drying of surface coatings is required, but also in areas where the dewatering of substances needs to be achieved rapidly and cost efficiently.

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