



WORLD WIDE WEAVE

Innovative upper belt increases process efficiency in corrugated board production

With CONDUCTO[®] 3313, GKD has set new standards for heating belts in the corrugated board production sector. The upper belt, which is not manufacturer-specific, offers substantial savings potential in terms of energy, time and glue consumption compared to conventional market products over similar runtimes. Its open mesh construction allows immediate evaporation of steam from the corrugated board in the heating section.

Perfect glueing, fast drying and reliable directional stability are key success factors for the heating and traction section in modern production lines for corrugated board. In close cooperation with users, GKD has developed the innovative heating belt CONDUCTO[®] 3313, which makes this process considerably more efficient. Its open mesh structure with an air permeability CFM rating of 600 allows immediate escape of the steam, thus significantly shortening the drying process. This, in turn, substantially reduces the expenses for heating energy required. It also reduces the consumption rate of glue, because the glue sets more rapidly thanks to the faster evaporation of the steam. The mesh, highly air permeable and only eight millimetres thick, does not saturate itself with moisture – unlike conventional belts – and thus maintains better traction. In first practical applications, up to 20 percent savings on belt drive energy were achieved. The corrugated board comes out of the plant with excellent flatness, so it is immediately ready for stacking and further processing.

In the new CONDUCTO[®] 3313 upper belt, GKD has strengthened the wear resistance of the polyester in the warp using its own development of a polyester-



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aramide filament system with different weaves on the product and inner sides. Additionally, reinforcement of the belt edges also helps to ensure long service life. Thanks to its stable construction, which compensates for its light weight (3.05 kg/m²) in comparison to conventional belts, the upper belt guarantees consistent pressure and thus optimal contact between the corrugated board and the heating plate. GKD also sets new standards in terms of the purchase price, thanks to the reduced amount of material used and the special production method, thus increasing economic advantages for customers even further.

GKD – WORLD WIDE WEAVE

As a privately owned technical weaver, GKD - Gebr. Kufferath AG is the world market leader in metal, synthetic and spiral mesh solutions. Four independent business divisions bundle their expertise under one roof: Industrial Mesh (woven metal mesh and filter solutions), Process Belts (belts made of mesh and spirals), Architectural meshes (façades, safety and interior design made of metal fabrics) and Mediamesh® (Transparent media façades). With its headquarter in Germany and five other facilities in the US, South Africa, China, India and Chile – as well as its branches in France, Spain, Dubai and worldwide representatives, GKD is close to markets anywhere in the world.

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