Press release



K2016: Evonik and kalwar present innovative solutions

- The cooperation with kalwar offers packaging manufacturers and film converters highly effective solutions
- Kalwar introduces the antifog effect of packaging films for food triggered by the calvasol® functionalization
- Dynasylan[®] SILFIN 50 increases the lifetime of the inhouse water piping systems

The combined combined expertise resulting from the cooperation between Evonik and kalwar opens up entirely new opportunities for film pretreatment and coatings technology, which we will showcase on our presentation wall in the form of a 3D exhibit entitled Clear View. The innovative calvasol® functionalization technology provides the consumer with a clear view of the food item thanks to antifog packaging film. The exhibit Long Lifetime demonstrates to visitors where Dynasylan® SILFIN 50 is used in the drinking water pipe system.

Dynasylan® SILFIN 50

Dynasylan[®] SILFIN 50 was developed especially for the use in the drinking water sector and has been successfully implemented in the market. The very long lifetime of inhouse systems for the drinking and hot water supply becomes possible by linking the pipes using the Monosil[®] process – and reliably at high continuous service temperatures of up to 90 degrees Celsius. Silane–crosslinked pipes are resistant to corrosion and expansion, are crackproof, have a reduced weight, and save laying costs. Other crucial advantages are improved wear resistance and greater resistance to fast crack propagation. Crosslinking with organofunctional silanes has also proven to be environmentally friendly and economical. Even small quantities of silane result in excellent characteristics.

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calvasol®

Bright, fresh fruits are more appetizing than those behind fogged films. kalwar's innovative calvasol® functionalization systems are the systematic further development of their calvatron® surface technology. Apart from ensuring long-term adhesion as required, they also provide a solution for the antifog issue. What you see determines what you buy, and bright, fresh fruits—as the exhibit shows—are simply a better argument. The highly effective and economical coating process is environmental-friendly, significantly reduces production costs, and enables a great variety of interesting functionalities. The calvasol® technology does not only replace established production methods but, by using smart combinations, allows for producing entirely new products. In cooperation with customers, calvasol® is also used to develop release and antiblock effects in films.

Company information

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals, operating in the Nutrition & Care, Resource Efficiency and Performance Materials segments. The company benefits from its innovative prowess and integrated technology platforms. In 2015 more than 33,500 employees generated sales of around \in 13.5 billion and an operating profit (adjusted EBITDA) of about \in 2.47 billion.

About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and supplies high performance materials for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 8,600 employees, and generated sales of around \in 4.3 billion in 2015.

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