

**Media Release**

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## **Borealis delivers innovative material solutions for new Citroën C4 Cactus**

Borealis, a leading provider of innovative solutions in the fields of polyolefins, base chemicals and fertilizers, announces that it is delivering leading-edge material solutions for key interior and exterior applications in the unique new Citroën C4 Cactus. The new tiger stripe-free solution Daplen™ EH227AE for exterior parts will be used in addition to other materials for more than 33 different applications in the new-generation model launched by the PSA Group.

True to the mission of Value Creation through Innovation, Borealis is dedicated to developing innovative polypropylene (PP) and thermoplastic polyolefin (TPO) solutions for automotive applications. These solutions will enable car manufacturers to achieve the highest aesthetic and mechanical performance standards.

### **Sleek design and high performance thanks to Daplen tiger stripe-free grades**

Enabling freedom in design and achieving good surface aesthetics are decisive factors in the success of new vehicle models. By working closely with the PSA Group and its major Tier One Suppliers, Borealis was able to find ideal material solutions for the aesthetic and mechanical performance-related challenges posed by this striking new model. PSA and its Tiers required the highest possible quality in moulded parts in accordance with their own stringent state-of-the-art requirements for new models.

One central concern when it comes to surface aesthetics is the elimination of flow marks, also known as tiger stripes. When compared to all other available materials, Borealis' new generation of Daplen tiger stripe-free grades was determined by PSA to be the best choice for numerous exterior applications, offering more design freedom and better quality than other materials. Daplen™ EH227AE is being used in rocker panels, whilst additional grades are

used in other Citroën C4 Cactus applications, including interior trims, central console and dashboard.

“When compared to other solutions currently available on the market, our Daplen tiger stripe-free grades offered tangible competitive and aesthetic advantages,” explains Harald Hammer, Borealis Vice President Engineering Applications. “We are committed to developing superior, cutting-edge material solutions to meet the needs of our partners and customers in the automotive industry.”



Borealis designed a new generation of Daplen tiger stripe-free PP grades, delivering freedom of design and premium surface aesthetics for the new and truly distinctive Citroën C4 Cactus. Photos: © Citroën.

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#### **About Borealis Engineering Applications**

For over 50 years, Borealis has been a leading supplier of advanced polyolefin plastics for engineering applications in the automotive industry and for household appliances. Thanks to its unique and proprietary Borstar® technology, Borealis provides a large portfolio of innovative products and services which create real value for customers and partners around the world. Innovative automotive solutions include materials for exterior, interior and under the bonnet applications, such as bumpers, body panels, trims, dashboard, door cladding, climate control units, air intake manifolds as well as battery cases. The appliance product range includes materials for small appliances and white goods, from coffeemakers to refrigerators and beyond. Borealis offers advanced polypropylene solutions which make engineering applications lighter, more energy efficient, robust and visually appealing.

#### **About Borealis and Borouge**

Borealis is a leading provider of innovative solutions in the fields of polyolefins, base chemicals and fertilizers. This year, Borealis already celebrates its 20th anniversary. With headquarters in Vienna, Austria, Borealis currently employs around 6,400 and operates in over 120 countries. It generated EUR 8.1 billion in sales revenue in 2013. The International Petroleum Investment Company (IPIC) of Abu Dhabi owns 64% of the company, with the remaining 36% owned by OMV, the leading energy group in the European growth belt. Borealis provides services and products to customers around the world in collaboration with Borouge, a joint venture with the Abu Dhabi National Oil Company (ADNOC).

Building on its proprietary Borstar® and Borlink™ technologies and 50 years of experience in polyolefins, Borealis and Borouge support key industries including infrastructure, automotive and advanced packaging.

The Borouge 3 plant expansion in Abu Dhabi will be fully operational in 2014. Borouge 3 will deliver an additional 2.5 million tonnes of capacity when fully ramped up, bringing the total Borouge capacity to 4.5 million tonnes. Borealis and Borouge will then have approximately 8 million tonnes of polyolefin capacity.

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Borealis offers a wide range of base chemicals, including melamine, phenol, acetone, ethylene, propylene, butadiene and pygas, servicing a wide range of industries. Together with Borouge the two companies will produce approximately 6 million tonnes of Base Chemicals in 2014.

Borealis also creates real value for the agricultural industry with a large portfolio of fertilizers. The company distributes approximately 2.1 million tonnes per year. This volume will increase to more than 5 million tonnes by the end of 2014.

Borealis and Borouge aim to proactively benefit society by taking on real societal challenges and offering real solutions. Both companies are committed to the principles of Responsible Care®, an initiative to improve safety performance within the chemical industry, and contribute to solve the world's water and sanitation challenges through product innovation and their Water for the World™ programme.

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**For more information visit:**

[www.borealisgroup.com](http://www.borealisgroup.com)

[www.borouge.com](http://www.borouge.com)

[www.waterfortheworld.net](http://www.waterfortheworld.net)

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