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## **Danish company is firstmover on future coatings for frying equipment**

### Frying pans

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Teflon is the worlds most used coating material for pots and pans in the private household and in the food industry. Teflons most important property is that it hinders the food to burn and also it ensure a surface that is easy to clean. However, Teflon is also problematic because there are some health and environmental risks connected to the production and the use of the popular product.

A scientific project at the Technical University of Denmark (DTU) is doing research on the coatings of the future. The project is amongst other about providing the processing industry with new thin ceramic surfaces that are abrasion resistant and does not release toxic substances at high temperatures.

The company Acccoat A/S is in on the project and Jens Hinke the Innovative Director of SP Group A/S whom Acccoat is subsidiary of believes in increasing sales globally in regards the coming product. "With the new science at hand we will be at the forefront globally. It is a very good example on how Denmark is to flourish through innovative products based on a high level on knowledge," says Jens Hinke.

However, he does not perceive the invention of the new ceramic surfaces as a replacement of Teflon. Here he refers to the fact that DuPont, the world largest producer of Teflon and business partner to Acccoat, towards the American authorities on health and environment has committed itself to the phasing out of damaging substances in Teflon and are replacing it with other substances that does not harm health and environment.

"We completely endorse this process," says Jens Hink and he estimates that Acccoat in a longer perspective will develop equipment coated with the new ceramic surfaces to the private households.

### **Børsen on facts about Teflon**

- Polytetrafluoretylen, PTFE, termoplast – a well known trade name for Teflon
- It has an extreme combination of properties that makes it attractive at rough use
- It is extremely resistant against chemicals, heat resistant, non-flameable, weather resistant. It has a very high resistant towards impact but a very low abrasion.
- It is used for the coating of pots and pans, packing ring, control systems in cars, slipfoil on rolls, electric cables on aeroplanes and artificial blood veins.
- The production of Teflon impacts the environment negatively and at high temperature coated kitchen equipment can release little amounts of toxic substances

Translated by Acccoat. Please contact Nadja Susanne Lund, [nsl@accoat.dk](mailto:nsl@accoat.dk) if questions on the translation.