www.bimkemi.com

BIM Oilguard™ concept

- PFAS free wet end additive for oil and grease resistant moulded fibre food packaging

The BIM Oilguard™ concept enables the production of PFAS and plastic free oil and grease resistant moulded fibre products, making BIM Kemi your perfect partner in developing sustainable, safe and compostable fibre based food packaging.

Food packaging materials produced from moulded fibre are essential in replacing single use plastic food containers. But for too long, PFAS have been used to impart the properties needed to repel oil, grease and water. However, these harmful chemicals have been found to accumulate in nature and living organisms, including humans, with serious health consequences. This has led to bans and restrictions in United States and the European Union.

PFAS free chemistry

The BIM Oilguard™ concept is designed to eliminate the need for PFAS in fibre-based food packages, such as table ware and food on the go products.

Customer value

- OGR (oil and grease resistance)
- Water resistance
- BfR and FDA approved
- BPI/TÜV industrial compost
- PFAS/Fluorocarbon free
- Plastic and MOAH free
- Repulpability and recyclability
- Easy to apply and excellent runnability
- Increased additive efficiency: possibility to lower sizing and other wet end chemicals
- Lower effluent TOC

Technical Profile

BIM Oilguard™ is:

- water based dispersion
- one component cationic system
- applied in the wet end
- compatible with existing chemical treatments
- compatible with BIM's barrier programme

BIM application specialists provide close support and consultancy for machine set-up and optimisation.

Full service and support package:

- Oil and grease resistance evaluation methods
- Pre-study lab evaluation
- Application support
- Optimisation tools & chemistry
- BIM Repulpability & Recyclability test

BIM Way of Working

Everything we do must add value to our customers. Therefore, we work in a network- and project organisation where the teams are populated with people best suited for the task.

With innovative solutions and specialised applications, we support the development of successful and sustainable products/ processes.