

walki



# WALKI<sup>®</sup> MOST

Introducing a safe way to package  
food with recycled carton board

MINERAL OIL SAFE TECHNOLOGY



**WHAT IF** you could get a barrier coating that makes recycled carton board totally safe for food packaging?

**A COATING** that provides a barrier against water vapour and grease, and keeps mineral oils out, too?

**A COATING** that can be used just as well for corrugated or solid boards or for flexible materials, such as inner bags?

No more what ifs.

### **WALKI'S MINERAL OIL SAFE TECHNOLOGY**

(MOST) is a new groundbreaking barrier coating that is proven to be effective in keeping mineral oils found in printing inks – and the health risk they pose – away from foodstuffs.

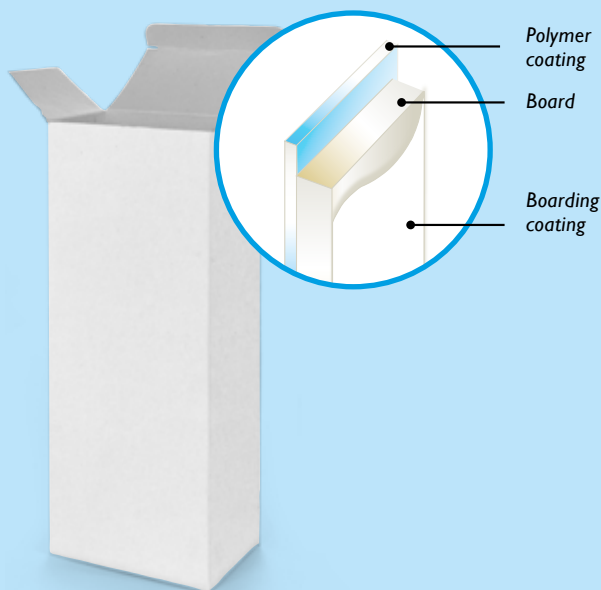


## THE WALKI RESPONSE

**THE RISK** of mineral oils migrating into food from carton board made of recycled fibre is an emerging issue for the food packaging industry.

**OVERCOMING THE HEALTH RISK** posed by the accumulation of mineral oils has been a challenge especially because normal polymer barriers have proven to be insufficient.

**A THOUGHT-LEADER COMMITTED** to finding innovative solutions that combine safety, functionality and resource efficiency, Walki took on the challenge proactively. The extensive research and development resulted in the Walki Mineral Oil Safe Technology – an efficient extrusion coating that keeps mineral oils away from foodstuffs.



## THE TECHNOLOGY THAT MAKES MOST SENSE

**IN ADDITION** to providing an efficient barrier against mineral oil migration, the patent-pending Walki MOST offers a barrier against water vapour and grease. In short – it offers all-round protection for foodstuffs.

**MOREOVER, IT OFFERS VERSATILITY:** the Walki MOST coating can be used as a barrier directly on carton board for both primary and secondary packaging, on the barrier lining of corrugated or solid board, and on different types of flexible packaging materials.

**WALKI'S PORTFOLIO** features dedicated product solutions for cartons, case liners and flexible inner bags.



## PROTECTION PROVEN BY TEST

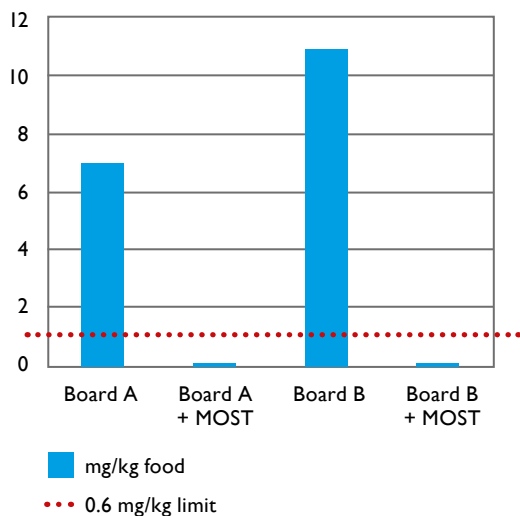
**WALKI MOST** has been independently tested and confirmed to be a successful barrier to mineral oil migration.

**INDEPENDENT RESEARCH INSTITUTES** such as Innoform in Germany and VTT Technical Research Centre of Finland

have tested Walki MOST and found it fully capable of keeping mineral oil levels well below the recommended of 0.6 mg per kg of food.

**THE BFR** (Federal Institute for Risk Assessment in Germany) undertook migration testing to determine hydrocarbons and mineral oil and plastics in packaging materials and dry foods using solid phase extraction. Tests revealed mineral oil migration range of 0.02 to 0.05 mg/dm<sup>2</sup> which is well below the 0.6 mg/kg limits for food.

### MG/KG FOOD





## MOST BENEFITS

- Independently tested effective barrier against mineral oil migration
- Food approval for direct food contact according to EU directive 10/2011
- Provides water vapour and grease barriers
- Heat-sealable
- Works on recycled fibre board material available on the European market
- Glued by dispersion and hot melt glues
- Suitable for hot filling and pasteurisation
- No set-off due to a polymer surface which is mineral oil repellent
- Suitable for reels and sheets
- Additional barrier properties against substances such as Benzophenone, Bishphenol A, DIPN and Softeners
- Dedicated product solutions for cartons, case liners and flexible inner bags
- Tested to be repulpable at PTS
- Cross contamination avoided by hermetic closed packaging of secondary or transport packaging's
- DSD 5% conform; depending on application structure ( e.g Board 380+MOST 20)
- Also available on virgin fibre material to avoid remaining risk of cross-contamination

## WALKI IN BRIEF

Walki Group is a leading producer of technical laminates and protective packaging materials, specialising in the production of fibre based, intelligent, multilaminate products for markets as diverse as energy saving construction facings and construction membranes to barrier packaging solutions.

Walki Group has operations in Finland, Germany, the Netherlands, Poland, the UK, Russia and China with a workforce of about 900 people. Annual net sales for the Group are 300 million Euros.

## SOME EXAMPLES OF OTHER WALKI PRODUCTS



CONSTRUCTION  
MEMBRANES



CONSTRUCTION  
FACINGS



FLEXIBLE  
PACKAGING



RFID ANTENNAS



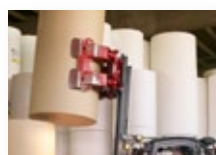
INDUSTRIAL  
PACKAGING



BARRIER BOARD



BARRIER LINING



REEL PACKAGING



REAM WRAPPING

**Want to make the MOST of your food packaging with recycled carton board?**

**Please contact your Walki representative.**