

# verive

## Aqueous Lining

### What is an aqueous lining?

Also known as water-based lining

**A water-based ink**  
It uses a water-based dispersion system of polymers and additives to create a barrier.

Aqueous lining = inside the paper product fibers

PE/PLA linings = on the outside of the paper product

**Acts as a paint/pigment**  
Only a small layer of aqueous lining is needed to provide the barrier required to transport foodstuffs and prevent leakage



### The benefits

- PE is coated with at least 15 grams per square meter
- PLA is coated with 30 grams per square meter
- Aqueous lining is coated with 6 grams per square meter



From a sustainability standpoint, you use much less plastic because less lining is needed.

- Additionally you need to apply less of coating to prevent leakage than a more traditional coating like PE or PLA.
- Suitable for both hot and cold food or drink uses.

### The material



#### Contains non-toxic chemicals

Aqueous linings are food safe, and do not contain colourings.



#### Reliable

A maximum of 2% of cups may suffer from leakage issues owing to production processes.



Aqueous lining does not affect the taste or smell of your drinks.

### The challenge



One challenge with aqueous lining and food is use with alcoholic beverages. These compounds affect the liner and may cause more leakages than the standard hot or cold drink.

### End of life

Our paperboard meal boxes and coffee cups have an aqueous lining and are fully compostable, where industrial facilities exist.



PLA and PE recycling can be easier with current facilities and methods, as they can be easily soaked off.

Recycling is possible but challenging, depending upon local recycling facilities. We encourage you to reach out to your provider.



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