



## PAPER CUPS COLD BEVERAGES

Siegwerk solution: Water-based advanced barrier coating

### Solution Description

#### Application:

Replacing PE on the outside of Cold Beverage Cups

#### General benefits:

- Circularity built-in; increase value of recovered fibre by enabling compostability and improving repulpability
- Reduction of plastic content: up to 70–80% less coating vs typical PE/PET layer
- Simplified supply chain; no need for special barrier paper grades

#### Key functionality:

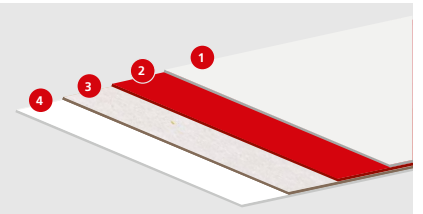
- Good liquid barrier
- Moderate oil & grease barrier
- Compatible with cup forming process
- Suitable for indirect food contact
- Optimized for barrier performance

#### Process:

- Compatible with all water-based printing processes
- Compatible with existing ink systems
- No primer required

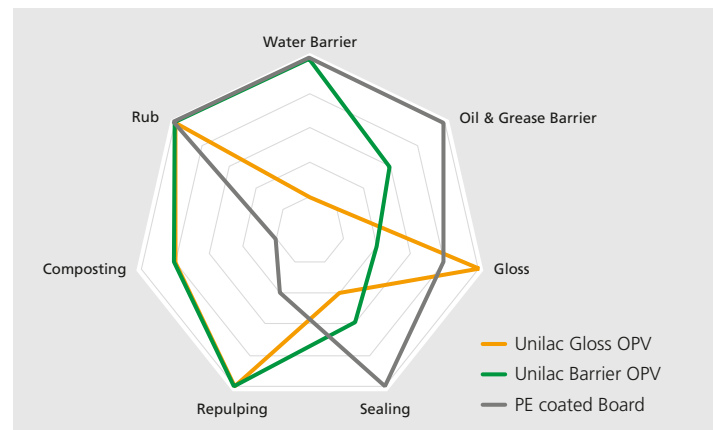
### Packaging Structure

- 1 Barrier coating
- 2 Water-based Siegwerk Inks
- 3 Cupstock
- 4 LDPE



### Comparison

Comparison of Unilac Gloss OPV coating vs Unilac Barrier OPV coating and PE coated Board:



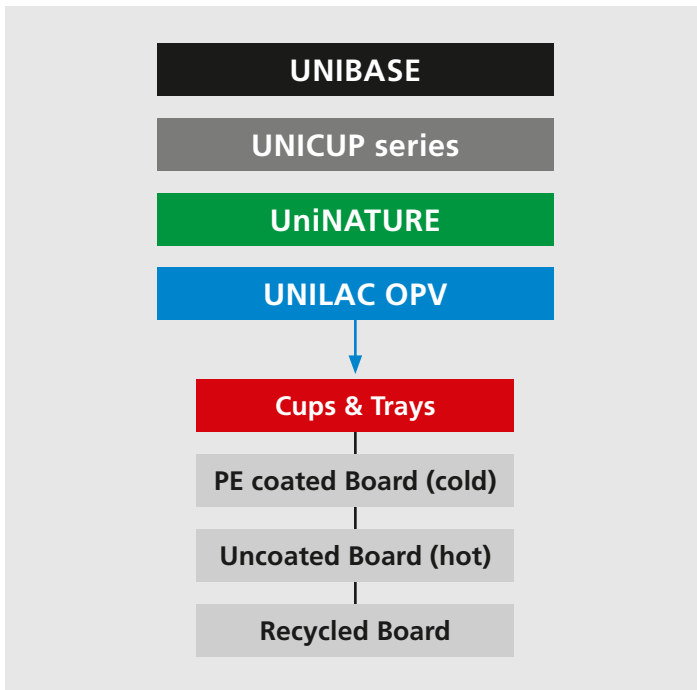


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## Siegwerk solutions: Product Portfolio

### Product Portfolio

From ink to coating solutions, we offer high-quality products from one central supplier.



### Things go better when done together

Replacing films with barrier coated papers often requires a rethINK of the package structure. Siegwerk's experienced application support teams are uniquely placed to advise customers on coming up with ink solutions that are sometimes necessary to transition to barrier-coated paper packages. Siegwerk is committed to a comprehensive approach to sustainability. The company is always mindful of the environmental, economic, and social impact of its product development, entire production process, its customer relationships, as well as its supplier selection and employees. Sustainability means progress to Siegwerk. That's why the company is driving this new development of barrier coatings.

**Please speak to your local Siegwerk contact.**