



OPG

BIOSOLUTIONS

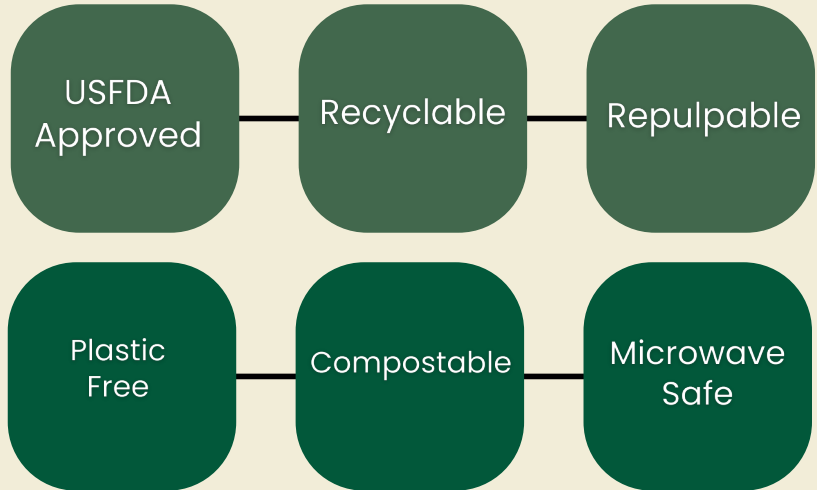
WATER-BASED AQUEOUS COATING CHEMICAL MANUFACTURER



Naturally Sealed: OPG Biosolutions
Water-Based Barrier coatings for Ultimate Defense

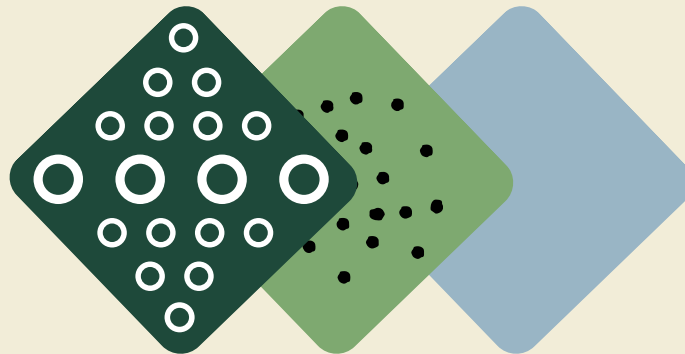
SUSTAINABLE | COMPOSTABLE | PLASTIC- FREE





- Suitable for hot and cold beverages

MOVEMENTS OF PERMIANTS THROUGH PACKAGING WALLS



BARRIER PROPERTIES



PRODUCT DESCRIPTION

OPG Seal Pro Emulsion

Versatile Performance:

- Grease and liquid resistance for diverse food packaging.
- Enhances folding cartons, ensuring integrity in frozen food and bakery packaging.
- Microwaveable and oven-safe, offering convenience in heating.

Paper-based Solutions:

- Resilient paper tableware, including cups, plates, trays, and bowls.
- Greaseproof paper bags maintain freshness in food packaging.
- Improves performance of paper pads for fried chicken, baking, and cakes.

Wide-ranging Applications:

- Preserves taste and quality in wrapping various food items.
- Ensures protection and integrity in cosmetic packaging.
- Provides durability and moisture resistance in disposable flowerpots.

Safety and Flexibility:

- Versatile application methods with coating options like blade, rod, curtain coater, gravure, and air knife coater.
- High-temperature resistance makes it suitable for microwave heating and baking.



OPG Aqua Barrier Emulsion

Paper Impregnation:

- Creates alternative PE paper and paperboard with exceptional water resistance.
- Ensures protection against moisture-related damage.

High Water Resistance:

- Provides very high-water resistance in coated paper and paperboard.
- Safeguards products from potential moisture-related damage.

Anti-Slip Properties:

- Imparts anti-slip characteristics, ideal for packaging applications where slip prevention is crucial.

Versatile Coating Techniques:

- Applicable using various coating techniques such as blade, rod, curtain coater, gravure, and air knife coater.
- Ensures flexibility in manufacturing processes.

Enhanced Recycling Efficiency:

- Contributes to efficient recycling of coated paper and paperboard.
- Minimizes waste and reduces environmental impact.

Low Minimum Drying Temperature:

- Requires a minimum drying temperature of only 100 degrees Celsius during the coating application process.
- Saves energy and production costs.



OPGSAO Shield WB Emulsion

Paper Impregnation:

- Creates alternative conventional PE paper and paperboard with superior water and oil/grease resistance.

High Water Resistance:

- Unparalleled water resistance safeguards products from moisture-related damage, enhancing shelf life.

Oil and Grease Resistance:

- Excels in resisting oil and grease, ideal for packaging applications with oily or greasy substances.

Operational Efficiency:

- Improves efficiency with high water resistance and low seal initiation temperature for secure packaging and sealing.

Versatile Coating Techniques:

- Applicable using various coating techniques, including blade, rod, curtain coater, gravure, and air knife coater.

Low Minimum Drying Temperature:

- Requires a minimum drying temperature of only 100 degrees Celsius during coating, saving energy and production costs.

Enhanced Recycling Efficiency:

- Contributes to efficient recycling of coated paper and paperboard, minimizing waste and supporting sustainability.



CERTIFICATION AND AFFILIATION



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www.opgbiosolutions.com



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