

Can Coatings



Elevate Can Coatings with Shamrock's Advanced Additives

In the food and beverage packaging industry, can coatings must meet stringent performance and safety standards. Shamrock's advanced micronized waxes and fluoropolymers enhance durability, process efficiency, and product integrity in **2-piece** and **3-piece cans** for food and beverages.

Performance-Driven Additives for Can Coatings

Our specialized additives are designed to optimize can coatings by offering:

- **Abrasion & Scratch Resistance** – Protect surfaces from damage during production, filling, and transportation.
- **Slip Control** – Improve processing efficiency by reducing friction and preventing sticking.
- **Metal Marking Resistance** – Minimize scuffing and preserve the can's appearance.
- **Water & Stain Repellency** – Prevent moisture-related degradation and staining.
- **Gloss & Texture Control** – Achieve precise finish requirements, from high gloss to matte textures.
- **Blocking Resistance** – Ensure smooth, problem-free stacking and storage.

Applications

Shamrock's additives are engineered for interior and exterior coatings in:

- **Food Cans** – Maintain product integrity while meeting food safety standards.
- **Beverage Cans** – Enhance visual appeal and durability in high-speed production.
- **2-Piece Cans** – Provide superior protection for drawn and wall-ironed (DWI) cans.
- **3-Piece Cans** – Improve seam integrity and corrosion resistance.

Uncompromising Protection & Performance

Our additives enhance can coatings by ensuring smooth application, increased durability, and optimal performance in high-speed manufacturing environments. By choosing Shamrock, you gain cutting-edge solutions that protect your products and maintain brand excellence.



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PFAS-free additives

Product	Description	MP Wax (°C)	MV (µm)	Feature
BioSLIP® 222	Micronized bio-based wax alloy	102-106	5	Enhanced mobility, slip, mar and scratch resistance
BioSLIP® 275	Hard bio-based wax alloy	125-128	5	Abrasion/mar/scuff resistance
BioSLIP® C-521	Modified carnauba wax alloy	82-85	7	Abrasion resistance, slip (low COF)
BioSLIP® EC-641	Micronized bio-based wax alloy	141-145	4	Slip, release, maintain gloss and clarity, mar and scuff resistance
MaxWax® 12	Oxidized PE Wax	130-133	12	Release, superior scuff and burnish resistance, increased abrasion performance and anti-blocking
MaxWax® 58	Oxidized PE Wax	130-133	7	Release, superior scuff and burnish resistance, increased abrasion performance and anti-blocking
MaxWax® 80	Hard bio-based wax alloy	126-130	5	Slip and scratch resistance
MaxWax® 421	Modified synthetic wax	125-128	5	General slip and abrasion resistance
MaxWax® 731	Modified synthetic wax	126-128	5	General slip and abrasion resistance
S-363	Synthetic wax alloy	140	5	Mar/Abrasion resistance/matting
S-394-N1**	Synthetic wax powder	112	6	Rub/abrasion/mar/scuff resistance, slip, release, hand feel, recoatability
S-395-N1**	Polyethylene wax	125	5	Hardness, recotability, abrasion resistance, anti-blocking
S-400-N1**	Synthetic wax powder	142-145	5	Slip, release, anti-blocking, water resistance

** Various particle sizes/grinds available

Compound Additives

Product	Description	MP Wax (°C)	MV (µm)	Feature
CeraSPERSE® 599BG	Synthetic wax alloy in butyl carbitol	140	5	Rub/abrasion resistance, slip, gloss control
CeraSPERSE® 31	Carnauba wax in butyl carbitol	82-85	<2	Abrasion resistance, slip (low COF), no haze, clarity

Regulatory Compliant (RC) PTFE additives

Product	Description	MP Wax (°C)	MV (µm)	Feature
SST® 3RC	PTFE	320	5	Slip, abrasion resistance, release, anti-blocking
SST® 4RC	PTFE	320	3	Slip, abrasion resistance, release, anti-blocking
FluoroSLIP® 421RC	PE/PTFE	114	6	Slip, high rub resistance, mar/taber/abrasion/block resistance
FluoroSLIP® 731MG-RC	Synthetic wax/PTFE	111	3 - 6	Slip, high rub/mar/taber/abrasion resistance, gloss, clarity



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