

Build a better formula with Shamrock Technologies



Shamrock Technologies, a leading provider of specialty additives for coatings and inks, is excited to unveil its latest advancements in the field of modern coatings. With a commitment to innovation and sustainability, Shamrock introduces BioSLIP®, MaxWax®, HydroCER® Emulsions, and Texture Series to cater to the evolving needs of the industry.

The BioSLIP® product line stands at the forefront of bio-based innovation, offering advancements that redefine industry standards. Designed to provide superior slip and mar resistance while maintaining gloss and clarity, BioSLIP® incorporates naturally sourced materials into formulations, enhancing the performance of coatings and inks. This not only extends the useful life of products but also enables customers to sustainably meet their technical needs.

The MaxWax® product line offers effective alternatives to traditional materials, providing enhanced performance properties tailored to meet the demands of modern coatings.

Shamrock is also focusing on water-based formulas, providing solutions to performance issues packaged in their easy-to-use HydroCER® emulsions. These emulsions deliver maximum handling efficiency coupled with attributes such as controlled slip, abrasion resistance, and release.

Additionally, Shamrock's Texture Series addresses the growing demand for surface effects, catering to the visual and hand feel requirements of modern coatings.



WAX DISPERSIONS AND EMULSIONS: Wax in a dispersed form ranging from sub-micron emulsions to high solids powder dispersions.

Product	% Solid	Typical MV (µm)	Composition	Notes
HydroCER® 135	35	8	Amide	Bio-based wax dispersion for extreme slip and anti-blocking
HydroCER® DP-69	50	<1	Paraffin	Water Repellency, abrasion resistance, block resistance, slip, release
HydroCER® AD-60ET	60	5	Ox-HDPE/PE	Abrasion and block resistance, slip
HydroCER® AE-40FG	40	<1	Ox-HDPE	Abrasion/Scratch/Scuff/Mar Resistance, Rub, Burnish Resistance, Gloss Retention, Clarity, Slip
HydroCER® AE-PW35	35	<1	Paraffin	Slip, hydrophobicity, water beading, mar resistance
HydroCER® EC-36	35	<1	Carnauba	Slip, gloss retention, block resistance, mar resistance
UltraMATTE 56	35-40	12	Synthetic Wax	Flattening, burnish resistance, abrasion resistance

NATURAL WAX: Sustainable micronized waxes for outstanding slip and mar resistance with controlled impact on gloss and clarity.

Product	MP (°C)	Typical MV (µm)	Composition	Notes
BioSLIP® 222	102-106	5	Micronized bio-based wax alloy	Mar and slip for general industrial and can coatings
BioSLIP® 275	125-128	5	Hard carnauba wax alloy	Abrasion resistance for metal coatings
BioSLIP® EC-722	141-145	4	Amide based wax alloy	Slip and release for internal can coatings
BioSLIP® EA-65	147	5	Modified stearic wax	Matting, abrasion/rub/block resistance

PFAS-FREE WAX: High performance polymers that enhance durability, slip, and surface protection while ensuring regulatory compliance.

Product	MP (°C)	Typical MV (µm)	Composition	Notes
MaxWax® 12	130-133	12	Ox-PE	Release, superior scuff and burnish resistance, increased abrasion performance and anti-blocking
MaxWax® 58	130-133	7	Ox-PE	Release, superior scuff and burnish resistance, increased abrasion performance and anti-blocking
MaxWax® 80	126-130	5	Hard bio-based wax alloy	Enhanced abrasion resistance for can coatings
MaxWax® 421	125-128	5	Modified synthetic wax	PFAS free alternative for FS 421 Series
MaxWax® 731	125	5	Modified synthetic wax	PFAS free alternative for FS 731 Series
S-394-MG/N1/N5	112	4/5/8	Fischer-Tropsch	Excellent slip and abrasion resistance
S-395-N1/N5/SP5	125	5/7/14	Polyethylene	Hard Wax for tough abrasion performance

TEXTURING MACROPOWDERS: Controlled particle sized polymers that provide multifunctional surface effects.

Product	MP (°C)	Typical MV (µm)	Composition	Notes
SPP (10,25,40,300,500)	150	10, 25, 40, 300, 500	PP	Texture for matting, rough feel and wrinkle effect
Texture W (TUF, 5378, 5380, 5382, 5384, 5386, 5388)	144	35, 50, 65, 80, 110, 150, 165	UHMWPE	High temperature cured abrasion resistant coatings
TexMATTE (6005, 6010, 6014, 6017, 6020, 6030, 6050)	-	5, 10, 14, 17, 20, 30, 50	PMMA	Matting, mar and scuff resistant fine texture additive



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