

Powder Coatings



At Shamrock Technologies, we work closely with our powder coatings customers to minimize the impact of abrasion and mar on finished products. We also offer unique texturing agents that develop tactile surfaces ranging from coarse to smooth finishes and are suitable for use in a variety of baking conditions. Shamrock additives are ideal for a broad spectrum of powder coatings applications, including general industrial, appliance, metal furniture, electronics, farm equipment, and automotive OEM/aftermarket parts.

Shamrock understands your needs

Shamrock's Technical Department has an extensive understanding of the needs of global powder coatings manufacturers, focusing on:

- lowering coating film thicknesses of up to 30 microns
- reducing the oven temperature when curing
- providing different resin chemistries
- offering electrostatic & tribo charging technologies
- innovating new technologies of metal pre-treatment and electro-coat

Wax additives are used to improve mar and abrasion resistance in coatings. The use of wax can improve fluidization and antistatic properties during application and cure and provide slip and impact-resistance during use. Regulatory Compliant (RC) Polytetrafluoroethylene (PTFE) is an exceptional cost-effective texturing additive for powder coatings.

Wax powder coating benefits:

- Reproducible and uniform texture
- Low coefficient of friction (COF)
- Outstanding mar and abrasion resistance
- Cost effectiveness
- Suitable for high bake temperatures
- Prevents agglomeration of finished powder
- Improves flow of cured film
- Keeps the film open, improves degassing
- Improves slip and mar resistance
- Useful tool for controlling gloss
- Helps transferring of powder from hopper



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Table of products

Product	Description	MP Wax (°C)	MV (µm)	Feature
BioSLIP 678	Soft natural wax alloy	83-85	8	Slip and abrasion resistance
BioSLIP E-400	Micronized plant based wax	142-145	5	Slip, anti-blocking and water resistance
FluoroSLIP 515-RC	PE/PTFE blend	125	8	Abrasion resistance
FluoroSLIP 425-RC	Synthetic wax/PTFE blend	113	5	Slip
SG-Wax 30G	Synthetic wax	112	1000	Degassing
MaxWax 421	Modified synthetic wax	125-128	5	General slip and abrasion resistance
MaxWax 731	Bio-based wax powder	126-128	5	Excellent slip and scratch resistance
PowderTEX 61-RC	Modified PTFE	330	n/a	Universal texturing
PowderTEX 65S-RC	HDPE/PTFE blend	126	8	Economical uniform texture
PowderTEX 94-RC	PTFE	320	n/a	Uniform texture
S-363	Synthetic wax alloy	140	5	Gas release, rub resistance, slip
S-379	Synthetic wax powder	100	11	Slip, mar/abrasion resistance, anti-blocking
S-394	Synthetic wax powder	113	6	Rub/abrasion/mar/scuff resistance, slip, release, hand feel, recoatability
S-512	Polyethylene	128	15	Mar resistance
SST-369-RC	PTFE	320	<4	Balanced mar and slip



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