

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



Powder Coatings

PFAS-free additives

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, water resistance and gas release
MaxWax® 12	Ox-PE	130-133	12	Release, superior scuff and burnish resistance, increased abrasion performance and anti-blocking
MaxWax® 58	Ox-PE	130-133	7	Release, superior scuff and burnish resistance, increased abrasion performance and anti-blocking
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
S-363	Synthetic wax alloy	140	5	Gas release, rub resistance, slip
S-379-N8	Synthetic wax powder	100	11	Slip, mar/abrasion resistance, anti-blocking
S-394-N1	Synthetic wax powder	113	5	Rub/abrasion/mar/scuff resistance, slip, release, hand feel, recoatability
S-395-N5	Polyethylene	125	8	Hard wax for tough abrasion resistance
S-512	Polyethylene	128	15	Mar resistance

Regulatory Compliant PTFE Additives

Product	Description	MP Wax (°C)	MV (µm)	Feature
PowderTEX® 61RC	Modified PTFE	330	n/a	Universal texturing
PowderTEX® 84RC	HDPE/PTFE blend	120	14	Medium Texture
PowderTEX® 25RC	PTFE	328	25	Feature Medium Texture
PowderTEX® 94RC	PTFE	320	n/a	Uniform texture
SST® 369RC	PTFE	320	<4	Balanced mar and slip



Headquarters

Shamrock Technologies, Inc.
Foot of Pacific Street
Newark, NJ 07114
Tel: (973) 242 2999
CustomerService@Shamrocktechnologies.com

Belgium

Shamrock Technologies BVBA
Heersterveldweg, 21
B-3700 Tongeren, Belgium
Tel: (32) 1245 8330
Customercare@Shamrocktechnologies.com

中国

三叶科技(天津)有限公司
天津经济技术开发区
第九大街丰华工业园二期5号厂房
电话: (86) 22 5981 3085
传真: (86) 22 5981 3099
CSAsia@shamrocktechnologies.com

shamrocktechnologies.com