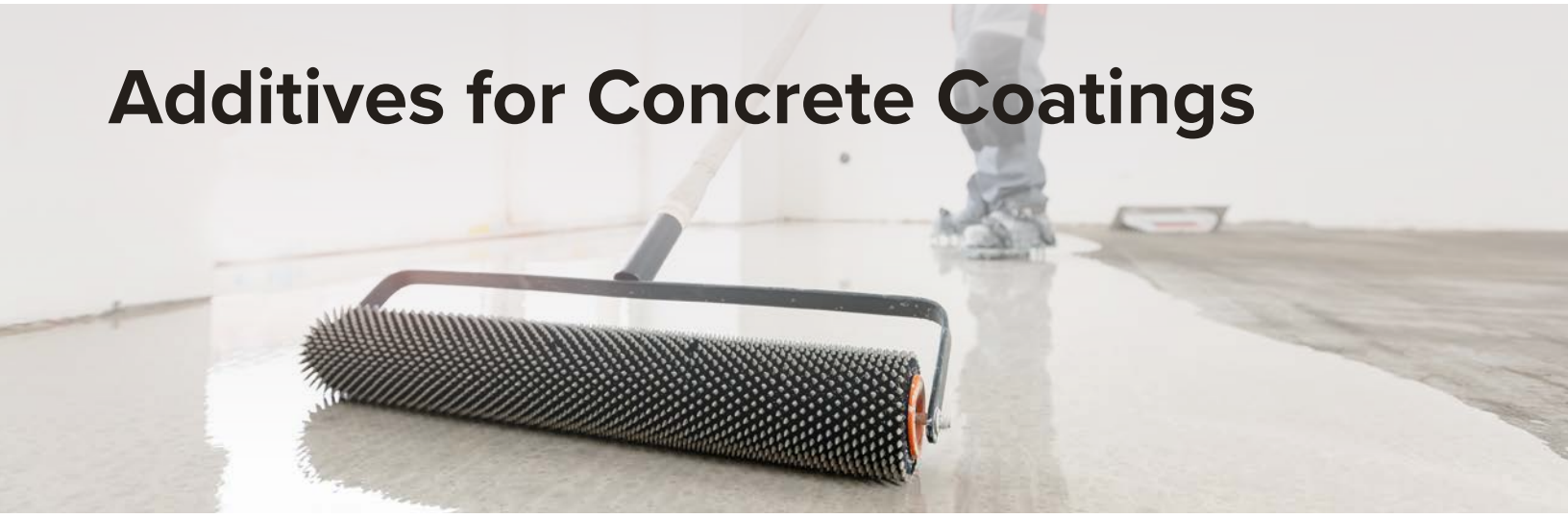
Shamrock TECHNOLOGIES

Additives for Concrete Coatings



Shamrock Technologies offers a wide variety of micronized wax additives engineered for performance-enhancing properties in concrete coatings. Micronized wax, and wax blends are used in concrete coatings for surface performance to improve abrasion, scratch and mar resistance, slip control, and anti-blocking.
Shamrock's anti-skid wax additives and textures are engineered to fine-tune surface traction, durability, and appearance in concrete coatings.

Designed for concrete coatings

Improved Abrasion, Scratch, and Scuff Resistance

- Enhances resistance to foot traffic, pallet drag, and tire marking
- Reduces visible marring and burnishing over time
- Extends service life of decorative and industrial concrete floors

Slip control (CoF modifier)

- Increase coefficient of friction through controlled micro-texturing
- Helps balance grip and cleanability in interior and exterior floors
- Enables customization of CoF depending on materials particle size and loading

Formulation Flexibility

- Compatible with waterborne and solvent-borne systems
- Suitable for acrylic, epoxy, polyurethane, polyaspartic, and UV-curable coatings
- Available in multiple chemistries and particle sizes to tailor performance

Factors to consider

Particle size and distribution

- **Smaller particles:** smoother films, more subtle effects
- **Larger particles:** more texture/matting, stronger slip/scuff effects, higher haze risk

A narrow particle-size distribution usually improves appearance consistency.

Typical Applications

- Clear and pigmented concrete sealers
- Epoxy and polyurethane floor topcoats
- Polyaspartic and high-solids industrial flooring
- Decorative concrete and architectural finishes

Additives for Concrete Coatings

PFAS-free additives

ANTI-SKID PRODUCTS			
Product Name	**Composition**	**Typical MV (µm)**	**Features and Benefits**
SPP Series (10, 25, 40, 300, 500)	Polypropylene	10, 25, 40, 300, 500	Texture for matting, various hand feel, non-skid, high temperature and abrasion resistance
Texture W Series (TUF, 5378, 5380, 5382, 5384, 5386, 5388)	UHMWPE	35, 50, 65, 80, 110, 150, 165	
MaxWax® 12	Oxidized HDPE	12	Good compatibility in water-based systems
S-395 N1/N5	Polyethylene	13	Improved durability
S-512	High MW Polyethylene	15	Maximum durability
S-156	Densified polyethylene	8	In-can stability, matting and abrasion resistance
S-394 N1/N5	Synthetic wax	6/8	Improved abrasion resistance and added water repellency
S-379 N8	Synthetic wax	12	Improved abrasion resistance
Neptune 250	Oxidized polyethylene	8	good compatibility in water-based systems

SPECIALTY PRODUCTS			
Product Name	**Composition**	**Typical MV (µm)**	**Features and Benefits**
LoANGLE 5143	Synthetic wax alloy	12.5	Used for anti-blocking and release
BioSLIP® EA-65	Modified stearic wax	15	
NonSKID 59	Maleated polypropylene	15	Anti-slip wax additive with excellent adhesion properties and good matting efficiency
HydroPEL QB	Paraffin and synthetic wax blend	9	Excellent hydrophobicity and water beading properties

EMULSIONS			
Product Name	**Composition**	**Solids Content (%)**	**Features and Benefits**
HydroCER® AE-35FG	Oxidized HDPE	35	Excellent durability, excellent clarity
HydroCER® AE-50P	Paraffin	50	Excellent water repellency and beading properties
HydroCER® AE-PW35	Paraffin and polyethylene	35	Good water repellency
HydroCER® AE-PP40i	Polypropylene	40	Anti-skid, increased traction
HydroCER® 59	Polypropylene	30	Non-skid properties and abrasion resistance
HydroCER® 135	Amide	35	Improved anti-blocking and release

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