



# SINOSIL ADDITIVE CATALOG

**Product Guide |  
Paint & Coating Additives**

PFAS-free. High-Performance Solutions for Complex Formulations.

## Precision Formulation: Navigation & Legend

SINOSIL offers a multitude of the most diverse additives for systems with a variety of polarities, precisely adapted to aqueous, solvent-borne, and solvent-free systems. By using these specialized additives, the application properties of the most varied of systems can be significantly improved, eliminating surface defects, destroying foam, and ensuring perfect pigment stabilization.

### **Aqueous**

(Water-based systems)

### **Solvent-borne**

(Oil-based/solvent systems)

### **Solvent-free/UV**

(100% active or UV-curable systems)

**Symbol Key:** □ = Recommended / Suitable

# Silicone Wetting Additives

Product	Equivalent Benchmark	Aqueous	Solvent-borne	Solvent-free/UV	Application & Properties
716	Tego 245	■	■	■	Water-miscible, membrane materials, 2K
718	BYK 345/346	■	■		Anti-corrosion, general baking coatings
720	Tego 270 (Standard)	■	■		Baking coatings, steel drum coatings, glass coatings
7201	Tego 270 (Defoaming)	■	■		Wood coatings, air-dry coatings, 2K
730	BYK 348 (High-temp)	■	■	■	Glass coatings, wine bottle coatings
750	Tego 270 (Room-temp)	■	■	■	Aqueous acrylic systems, 2K
707W	Special (High-temp)	■	■	■	Baking coatings, 2K, water-miscible, car protection films
800	Tego 4100 (Defoaming bias)		■		Defoaming, high-build systems, container coatings, tobacco packaging inks
803W	Tego 4100 (Wetting bias)		■		Defoaming, high-build systems, air-dry, 2K, anti-corrosion, inks
760	Special (Ultra-low foam)	■	■	■	Remedies system craters, low-foam wetting applications, excellent lubrication
760W	Special (Defoaming)	■	■	■	Remedies system craters, low-foam wetting, high-temp baking, excellent lubrication
770	Special (Acid/alkali resistant)		■		Suitable for extreme pH 2-12 systems

# Silicone Surface Additives (Leveling)



Product	Equivalent Benchmark	Aqueous	Solvent-borne	Solvent-free/UV	Application & Properties
303	BYK 333 (Compatibility bias)	■	■	■	High compatibility, wood coatings, 2K
304	BYK 333 (Slip bias)	■	■		Excellent slip, wood coatings, 2K
305	Tego 450, BYK 307	■	■		Excellent slip, wood coatings, 3C (consumer electronics), 2K
308	Dow Corning 57	■	■		Excellent slip, high compatibility, gloss enhancement
313	Tego 410 (Compatibility bias)	■	■		Excellent slip, high compatibility, wood coatings, 2K
321	Dow Corning 3667	■	■		ABA type, resin polymerization modification, anti-blocking, textiles
377	BYK 377	■	■		Anti-blocking, soft feel, high compatibility
315	Tego 1484	■			Floor coatings, self-leveling
316	BYK 3510	■	■	■	Self-leveling, adhesives, inks, can/coil baking coatings
3235	BYK 323	■			Matting powder & aluminum powder orientation, high-temp baking
20907	BYK 310	■			High-temperature baking
808W	Deqian 810, Tego 432, Afcona 3033	■	■	■	Wood, 3C, 2K, UV, low-temp feel, multi-resin systems
868W	Special (Multi-functional)	■	■	■	UV, 2K, baking coatings, automotive coatings, excellent recoatability

# Reactive Silicones (Anti-Graffiti) & Anti-Fingerprint Additives

Product	Equivalent Benchmark	Aqueous	Solvent-borne	Solvent-free/UV	Application & Properties
140	Tego 5000N (Compatibility bias)	■			Resin modification, anti-graffiti for coil/aluminum coatings, soft feel
160	Tego 5000N (Slip bias)	■			Plastics, rubber coatings, soft feel
180	Shin-Etsu 176DX	■			High-end textiles, soft feel
461	Tego 32	■	■	■	UV, acrylic systems, can coatings, resin modification
1500Y	Special (Anti-marker)	■			Anti-graffiti for medium/low temp baking systems, exceptional slip
2541W	Special (Anti-marker)	■			Anti-graffiti for aqueous baking coatings (>130°C), leather
2542W	Special (Anti-marker)	■			Anti-graffiti for aqueous baking coatings (>70°C), leather
2543W	Special (Anti-marker)	■			Anti-graffiti for aqueous baking coatings (>130°C), scratch & abrasion resistance, leather
11622	Special	■			Baking coatings, soft feel, anti-sweat/anti-fingerprint, stain resistance
1115	Special	■			Baking coatings, soft feel, anti-sweat/anti-fingerprint, stain resistance

# Silicone Defoamers for Solvent-Borne Systems

Product	Equivalent Benchmark	Aqueous	Solvent-borne	Solvent-free/UV	Application & Properties
900W	Tego 900 (De-aeration)		■	■	Floorings, high-build de-aeration, micro-foam destruction, PCB inks
920W	BYK A530/A515/A500	■	■	■	Crystal glue, epoxy, automotive, high-gloss, inkjet, zero-cratering, aqueous high-gloss
922W	Tego 910		■	■	Non-silicone defoamer alternative, high compatibility requirement systems
980	Tego N		■	■	UV screen printing, curtain coating, dip coating
606W	BYK 066N/088	■	■	■	Fluorine-modified, universal high compatibility (aqueous/solvent-borne)
11329	Shin-Etsu KS 66	■			PCB inks, floor coatings
24D7	Special (Low temp)	■			Winter alternative to 11329 for low-temperature applications
2481	BYK 051	■			Non-silicone defoamer, moderate compatibility
2483	BYK 052, Afcona 2020	■			Non-silicone defoamer, strong foam suppression
777W	BYK 9920	■			Enhances fiber wetting in composite materials
778W	BYK 9920	■			Enhances fiber wetting in composites (high transparency)

# Silicone Defoamers for Aqueous Systems



Product	Equivalent Benchmark	Aqueous	Solvent-borne	Solvent-free/UV	Application & Properties
65W	Dow Corning 65/62	■			High-efficiency emulsion defoamer, inks
1267W	Dow Corning 1267	■			Emulsion defoamer for cutting fluids, requires high-shear dispersion
554W	Shin-Etsu 537K	■			Self-emulsifying concentrate, detergents, dyeing, cutting fluids
555W	Dow Corning 0544	■			Self-emulsifying concentrate, detergents, dyeing, cutting fluids
815D	Special (Wastewater)	■			Wastewater treatment, concrete
2080	Special (Transparent)	■			High compatibility, high-gloss systems
20B30	Special (High compatibility)	■			High compatibility, high-gloss systems
2291	Tego 901W	■			Contains fumed silica
2292W	BYK 024	■			VOC-free foam-destroying polysiloxane with fumed silica, high compatibility
2294	Tego 904W	■			Contains fumed silica
2295W	BYK 028	■			VOC-free foam-destroying polysiloxane with fumed silica, high foam suppression
2297W	Tego 902W / 1488	■			Emulsion type, low shear, industrial coatings, wood coatings
2288W	Tego 825	■			Emulsion type, low shear, high compatibility, clear coats, high-gloss
2288Y	Tego 825	■			Emulsion type, low shear, high compatibility, pure/styrene acrylics, architectural
2298W	Tego 3062	■			Mill base, excellent de-aeration, used with 2299W for high-viscosity
2299W	Tego 810 / AF 2508	■			Mill base, supreme suppression/destruction, requires pre-dilution & high shear

# Silicone Surface Modifiers (Feel & Slip)

Product	Equivalent Benchmark	Aqueous	Solvent-borne	Solvent-free/UV	Application & Properties
50 D*	Dow Corning 52 (50%)	■			Exceptional leather feel
51	Dow Corning 51 (80%)	■			Leather, inks, industrial coatings, scratch & abrasion resistance
67	Dow Corning 51 (45%)	■			Leather, inks, industrial coatings, scratch & abrasion resistance
31	Dow Corning 51 (70%)	■			Leather, inks, industrial coatings, scratch & abrasion resistance
61W	Special	■			Leather, inks, industrial coatings, scratch & abrasion resistance (improved dispersion, zero craters)
81W	Special		■		Aqueous systems: ultra-slip, scratch & abrasion resistance, anti-fingerprint
309	Tego 410 (Slip bias)	■	■		Solvent-borne systems: ultra-slip, scratch & abrasion resistance, anti-fingerprint
909W	Skin-feel leveling agent	■	■	■	Wood coatings, 3C, 2K
2442Y	Special				Wood, 3C, 2K, leather, industrial, metallic coatings
2442Y	Special			■	UV floorings scratch/abrasion resistance, UV inks, ultra-slip, release properties
388W	Special	■	■		Anti-blocking, soft feel, high compatibility
866W	BYK 9565	■	■		Leather, paper feel, anti-watermark, anti-blocking, release properties

# Specialty Wetting & Dispersing Additives / Easy-to-Clean



Product	Equivalent Benchmark	Aqueous	Solvent-borne	Solvent-free/UV	Application & Properties
1026	BYK 3720 (Easy-to-Clean)	■	■	■	High transparency hydrophobic effect, stain resistance, exceptional lubrication
436	Deqian 435 (Easy-to-Clean)	■			Anti-cratering for highly contaminated substrates
104W	BYK 104S (Dispersing)	■			Anti-floating/flooding, matting/aluminum powder orientation, leveling, slip
24925	BYK 190 (Dispersing)	■			Superior pigment dispersion, stabilization, and orientation