DOW CORNING

Paints & Inks
Solutions

Additive Selection Guide

a little makes a big *splash!*

WITH **ADDITIVES** FROM DOW CORNING

A Little Makes a Big Splash!

It takes only a little of a *Dow Corning*® brand additive to make the significant performance difference your customers demand from your paint, ink and coating formulations. *Dow Corning* additives provide problem-solving performance.

- Use in waterborne or solventborne formulations
- Compatible with virtually any binder system
- High efficiency at low concentration levels to help lower raw materials costs
- Suitable for use in low VOC, sustainably formulated products
- Formulated for versatility and ease of use

Problem-Solving Performance

For more than half a century, Dow Corning has led the way in silicon-based technology and is a global leader in the development of problem-solving, silicon-based technologies for paints, inks and coatings. Many *Dow Corning* additives impart a combination of benefits, giving you a high benefit-to-cost ratio. Whether you need foam control; improved pigment dispersion, surface wetting leveling or adhesion; water resistance, mar resistance, slip, gloss, texturization or any combination, silicon-based technology from Dow Corning can help you achieve it.

Global Resources, Local Expertise and Support

With global manufacturing facilities, sales offices, research and development laboratories, and Technical Information Centers all linked to a worldwide network of expert local distributors, Dow Corning is able to provide you with an exceptional level of service, support and value. Dow Corning is known for outstanding technical support. Our team of experts will work hand-in-hand with yours to ensure your success with these amazingly versatile materials.

How to Use This Guide

This guide will help you explore the properties and performance capabilities of Dow Corning's global line of additives for paints, inks and coatings. Table 1 offers additive suggestions for use in a variety of delivery systems and resins. First, from the left-hand column, select the delivery system and resin you plan to use. Then, simply follow that row across to the column for the benefit you wish to achieve. In the box where the two intersect, you will find suggested additives for your application. Table 2 groups the additives by their primary benefit and describes their physical makeup, features, secondary benefits and properties.

dowcorning.com/coatings gives you immediate access to:

- Product samples
- Product literature and technical data sheets
- Technical articles
- Customer service
- The name of a technically knowledgeable Dow Corning distributor near you

About Concentrations and Blending

The amount of *Dow Corning* additive required to achieve a particular benefit depends on the type of formulation, the solvent it contains, the resin system and total system solids. Generally, *Dow Corning* additives are effective at the concentrations noted in Table 2. Since advantages do not increase proportionally, avoid using excessive amounts. *Dow Corning* additives are usually added during grind, let-down or are post-added. However, some may be added during any processing stage. See Table 2 for additional information.

Table 1. Additives Application Guide[1] (For additional products, please see Table 2.)

Benefit ▸ / System/Resin	Slip	Mar Resistance	Foam Control	Adhesion Promotion	Pigment Treatment	Water Resistance	Leveling	Gloss	Texturing	Wetting Agents
Waterborne	51, 52, 57	51, 14, 52	62, 65, 6, 68	OFS-6020*, OFS-6011*	OFS-6020*, OFS-6011*	84, 85, 87, 88	14, 28, 57, 401LS, 402LS, OFX-0193*,3	OFX-0193*,3, 51, 52	33	67, 500W, 501W, 502W
Acrylic	401LS, 402LS, 205SL	51, HV 495, 52	62, 65, 6, 68	Z-6137, OFS-6020*, OFS-6040*	57, OFS-6020*	51, 85, 84, 87, 88	57, 401LS, 402LS	OFX-0193*,3, 51, 52	205SL	67, 500W, 501W, 502W
Alkyd	57, 14	57, 51, 52	65	OFS-6020*, OFS-6040*	57, OFS-6040*	84, 85	28, 57			67
Epoxy	51, 52, 57	18, 51, 52	65, 7	Z-6137, OFS-6020*, OFS-6040*	Z-6032, OFS-6020*	84, 85	14, 57			67
Polyester	51, 52, 54	18, 54, 52	65, 163	OFS-6020*, OFS-6011*, OFS-6040*	OFS-6020*, OFS-6011*	84, 85	14, 57			67
Polyurethane	14, 51, 52, 401LS, 402LS, 205SL	51, 52, 14	65, 163, 68	Z-6137, OFS-6020*, OFS-6040*	OFS-6020*, OFS-6011*	84, 85	57	57, 51, 52	205SL	67, 500W, 501W, 502W
Vinyl	14, 51, 52	51, 52, 14	65, 163	OFS-6020*		84, 85	OFX-0193*,3, 57			67
Solventborne	14, 11	57, 11	7, 163	Z-6121, OFS-6040*	3, 57	88	3, 11, 29, 57, 54, 56, OFX-0190*,2, 401LS, 205SL	29	23N	57
Acrylic	11, 14	11, 57	7, 163	OFS-6040*, OFS-6020*	3, 57		3, 57, 54	54	23N	57
Alkyd	14, 11	11, 56	7, 56, 100F	Z-6121, OFS-6040*	3, OFS-6040*		3, 56		23N	
Amide	OFX-0190*,2, 11	11	7	OFS-6011*, OFS-6040*	3, 57		OFX-0190*,2, 57			57
Epoxy	11, 14	57, 11	7, 163	Z-6121, OFS-6040*	57, 3		11, 57		23N	57
Nitrocellulose	14, 11	11, 57	7, 65				56, 11	29		
Phenolic	14	14	65	OFS-6020*, OFS-6040*	57, OFS-6020*		57			
Polyester	14, 11	11, 14	65, 7	Z-6121, OFS-6040*	57, 3		57, 29	29, 57	23N	
Polyurethane	11, 57, 401LS, 205SL	11, 54	7, 163	OFS-6040*, OFS-6020*	57, OFS-6040*		11, 57, 401LS, 205SL		23N, 205SL	
Vinyl	14, 11	14, 11	7, 163	OFS-6040*, OFS-6020*	3, OFS-6030*		57, 54		23N	
Radiation-Cured		14, 11	163	OFS-6030*, OFS-6040*			57, 29, 402LS, 204SL		23N, 204SL, 205SL	67, 500W, 501W, 502W
Acrylate	57, 204SL, 205SL, 402LS	57					57, 402LS, 204SL		204SL, 205SL	67, 500W, 501W, 502W

[1] All products are *Dow Corning*® brand, except those noted with an asterisk (*), which are XIAMETER® brand. These products are sold via the XIAMETER® Web-enabled business model from Dow Corning, which offers high-quality, reliable standard silicone products online, at market-based prices. Visit **www.xiameter.com** to order these products or to learn more.

[2] Formerly known as *Dow Corning*® 19 Additive.

[3] Formerly known as *Dow Corning*® 28 Additive.

Table 2. Features, Typical Use and Properties of Additives from Dow Corning[1] (Products are listed under their primary benefit.)

Product	Description	Features/Benefits	Compatible Binder Systems	Point of Addition	Typical Concentration[2]	Suitable Diluents[3]	Reactive Groups	Solvent	Viscosity at 25°C (77°F), cSt	Shelf Life, months[4]	Food Contact Compliance[5]
Slip, Mar Resistance											
Dow Corning® 11 Additive	Silicone polyether copolymer; 10% active in toluene	Increases mar resistance; also improves leveling, gloss, wetting, and prevents pigment separation	Acrylic, alkyd, amide, epoxy, nitrocellulose, polyester, polyurethane, vinyl	Grind or let-down or post add	0.1-0.5%	Aromatics such as xylene or toluene; mineral spirits or ketones	Carbinol	Toluene	1.5	36	–
Dow Corning® 14 Additive	Silicone polyether copolymer; 10% active in isopropanol	Improves slip and mar resistance; provides leveling and gloss	Acrylic, alkyd, epoxy, polyester, polyurethane	Grind or let-down or post add	0.1-0.5%	Water, alcohols, hydrocarbons	Carbinol	Isopropanol	4	30	–
Dow Corning® 18 Additive	Dispersion of high molecular weight polydimethylsiloxane and silicone surfactant; 100% active	Provides high degree of slip, mar resistance and anti-blocking	Acrylic, alkyd, epoxy, polyester, polyurethane, vinyl	Let-down or post add	0.1-1.0%	Polar solvents, including water, alcohols, ketones	None	None	400,000	21	–
Dow Corning® 29 Additive	Silicone polyether copolymer; 100% active	Imparts mar resistance and anti-blocking; also improves leveling and wetting	Acrylic, epoxy, polyester, polyurethane	Grind or let-down or post add	0.1-1.0%	Water, alcohols or aromatics	Carbinol	None	310	30	–
Dow Corning® 51 Additive	Dispersion of high molecular weight polysiloxane and surfactants; 80% active in water	Imparts mar resistance and slip to systems with waterborne emulsions; also effective in solventborne coatings containing alcohol or polar solvents	Acrylic, alkyd, epoxy, nitrocellulose, polyester, polyurethane, vinyl	Grind or let-down or post add	0.05-0.3%	Polar solvents, including water and alcohols	Silanol	Water	500,000	18	FDA 175.105, 176.180, 176.210
Dow Corning® 52 Additive	Dispersion of high molecular weight polysiloxane and surfactants; 64% active in water	Imparts mar resistance and slip to systems with waterborne emulsions; also effective in solventborne coatings containing alcohol or polar solvents	Acrylic, alkyd, epoxy, nitrocellulose, polyester, polyurethane, vinyl	Grind or let-down or post add	0.01-3.5%	Polar solvents, including water and alcohols	Silanol	Water	4,000	12	FDA 176.210
Dow Corning® 54 Additive	Silicone polyether copolymer; 100% active	Provides mar resistance, slip, leveling and gloss; aids defoaming in some systems	Acrylic, alkyd, epoxy, polyester, polyurethane, vinyl	Let-down or post add	0.05-1.0%	Aromatics such as xylene or toluene, mineral spirits and chlorinated hydrocarbons	Carbinol	None	170	30	–
Dow Corning® 55 Additive	Silicone polyether copolymer; 10% active in 2-butoxyethanol	Gives good wetting and leveling; also imparts slip	Acrylic, alkyd, polyurethane	Post add	0.1 - 0.5%	Alcohols	Carbinol	2-butoxy-ethanol	6	12	–
Dow Corning® 204SL Additive	100% active silicone polyether copolymer	Slip and hand feel modifier for radiation curable systems; also provides good flow and leveling	Acrylate	Let-down	0.2%	Alcohols, glycol ethers and aromatic solvents	None	None	100-150		Swiss Ordinance RS 817.023.21 Annex 6, Part B
Dow Corning® 205SL Additive	Silicone polyether copolymer; 50% active in ethylene glycol isopropyl ether	Superior hand feel modifier for multiple delivery coating systems; lowers coefficient of friction (CoF); foam control; also effective in solventborne coatings	Acrylic, polyurethane	Let-down	0.2%	Alcohols, glycol ethers and aromatic solvents	Carbinol	Ethylene glycol isopropyl ether	25-60		Swiss Ordinance RS 817.023.21 Annex 6, Part B
Dow Corning® HV 495 Emulsion	Silicone emulsion; 37% active	Provides slip and mar resistance	Acrylic, epoxy, polyester, polyurethane	Let-down or post add	0.05-0.5%	Water	Silanol	Water	10	18	FDA 175.105, 176.180, 176.200, 176.210
XIAMETER® OFX-0190 Fluid[8]	Silicone polyether copolymer; 100% active	Imparts mar resistance and anti-blocking; improves leveling and substrate wetting	Amide, epoxy, nitrocellulose, polyurethane	Grind or et-down	0.1-1.0%	Water or alcohols	None	None	1,750	18	–
XIAMETER® OFX-0193 Fluid[9]	Silicone polyether copolymer; 100% active	Improves slip and mar resistance; provides leveling and gloss	Acrylic, alkyd, epoxy, nitrocellulose, polyester, polyurethane, vinyl	Grind or let-down or post add	0.1-1.0%	Water, alcohols or aromatics	Carbinol	None	425	30	–

(continued on pages 5, 6, 7)

Table 2. Features, Typical Use and Properties of Additives from Dow Corning[1]

Product	Description	Features/Benefits	Compatible Binder Systems	Point of Addition	Typical Concentration[2]	Suitable Diluents[3]	Reactive Groups	Solvent	Viscosity at 25°C (77°F), cSt	Shelf Life, months[4]	Food Contact Compliance[5]
Foam Control											
Dow Corning® 6 Additive	Silicone emulsion; 20-24.5% active	Quick and long-lasting foam control at low addition levels for waterborne paint and ink formulations; does not impair flow-out, leveling and gloss	Acrylic	Let-down or post add	0.2-2.0%	Water	None	Water	1,000-3,000	24	
Dow Corning® 7 Additive	Fluorosilicone; 5% active in methylisobutyl ketone	Provides foam prevention and defoaming	Acrylic, alkyd, amide, epoxy, nitrocellulose, polyester, polyurethane, vinyl	Grind or let-down or post add	0.01-0.05%	Ketones	None	Methyl-isobutyl-ketone	0.8	18	FDA 177.2600
Dow Corning® 62 Additive	Silicone emulsion; 57% active in water	Provides effective foam control in inks and coatings; good compatibility and low tendency to cause defects; APEO-free	Acrylic, polyurethane	Grind or let-down or post add	0.05-0.5%	Water	None	Water	2,000	18	FDA 175.105, 176.210, BfR XXXVI
Dow Corning® 65 Additive	Silicone emulsion; 59% active in water	Prevents and eliminates foam in high-shear mixing processes; long-term defoaming action	Acrylic, alkyd, amide, epoxy, nitrocellulose, polyester, polyurethane, vinyl	Grind or let-down or post add	0.05-0.5%	Water	None	Water	2,000	24	–
Dow Corning® 68 Additive	Silicone emulsion; 50-55% active	Alkyl phenol ethoxylate (APEO)-free; provides immediate and sustainable foam control in waterborne inks, coatings and paints	Acrylic, polyurethane	Let-down or post add	0.05-0.5%	Water	None	Water	1,000-3,000	18	
Dow Corning® 71 Additive	Organo-modified silicone copolymer; 100% active	Effective foam control in waterborne coatings, especially ink; balancing effective foam control and good surface appearance	Acrylics	Grind or let-down or post add	0.1-1.0%	Water	None	None	500	24	FDA 175.105, 175.300[6], 175.320[6], 176.200[6], 176.210[7], BfR XV, EU 2002/72/EC
Dow Corning® 74 Additive	Organo-modified silicone copolymer; 100% active	Effective foam control in waterborne coatings, especially wood coatings; balancing effective foam control and good surface appearance	Acrylics	Grind or let-down or post add	0.1-1.0%	Water	None	None	750	24	FDA 176.210
Dow Corning® 100F Additive	Fluorosilicone; 1% active in diisobutyl ketone	Foam control agent in solventborne and radiation curable coatings; good for high-solids formulations	Acrylic, acrylate, alkyd	Let-down	0.7%	Ketones	None	Diisobutyl ketone	1	12	Swiss Ordinance RS 817.023.21, Annex 6, Part B
Dow Corning® 163 Additive	Silicone antifoam compound; 100% active	Provides foam control in coatings and inks	Acrylic, epoxy, polyester, polyurethane, vinyl	Let-down or post add	0.1-0.5%	Aromatics, aliphatics, glycols, water	Silanol	None	1,000	18	FDA 175.105, 175.300, 176.170, 176.180, 176.200, 176.210, BfR XV
XIAMETER® AFE-2210 Antifoam Emulsion[10]	Silicone emulsion; 10% active in water	Provides foam control in waterborne coatings, especially dispersion paints	Acrylic	Grind or let-down or post add	0.1-1.0%	Water	None	Water	2,700	24	–
Adhesion Promotion											
XIAMETER® OFS-6011 Silane	Aminopropyltriethoxy-silane; 99% active	Adhesion promoter and pigment treatment	Acrylic, alkyd, polyester, polyurethane	Let-down	0.05-1.0%	Alcohols and water	Amino-ethoxy	None	1.65	24	FDA 175.105
XIAMETER® OFS-6020 Silane	Amino-methoxy-functional silane; 99% active	Effective in promoting adhesion of a wide variety of coating systems to glass, aluminum and steel	Acrylic, alkyd, epoxy, polyester, polyurethane, vinyl	Let-down	Primer: dilute to 10% active in isopropanol Additive: 0.5-3.0%	Alcohols and water	Amino-methoxy	None	6.5	36	FDA 175.105, 176.300, 177.1390
XIAMETER® OFS-6030 Silane	Methacrylate-methoxy-functional silane; 98% active; when used as a primer, apply by dipping or brushing	Improves adhesion of free radical cured resins, such as polyester, to inorganic substrates	Acrylic, alkyd, epoxy, polyester, polyurethane, vinyl	Let-down	Primer: dilute to 0.1-0.5% active in acidified (pH ~4.0) water Additive: 0.5-3.0%	Alcohols and water	Methacrylate-methoxy	None	2.5	18	–

(continued on pages 6, 7)

Table 2. Features, Typical Use and Properties of Additives from Dow Corning[1]

Product	Description	Features/Benefits	Compatible Binder Systems	Point of Addition	Typical Concentration[2]	Suitable Diluents[3]	Reactive Groups	Solvent	Viscosity at 25°C (77°F), cSt	Shelf Life, months[4]	Food Contact Compliance[5]
Adhesion Promotion (continued)											
Dow Corning® Z-6032 Silane	Vinylbenzyl-amine-methoxy-functional silane; 40% active	Adhesion promoter and pigment treatment	Alkyd, epoxy, vinyl	Let-down	0.05-2.0 wt%	Alcohols and water	Vinylbenzyl-amine-methoxy	Methanol	2	18	FDA 175.300
XIAMETER® OFS-6040 Silane	Epoxy-methoxy-functional silane; 99% active; when used as a primer, apply by dipping or brushing	Effective in promoting adhesion of a wide variety of coating systems to glass, aluminum and steel	Acrylic, alkyd, amine, epoxy, nitrocellulose, phenolic, polyester, polyurethane, vinyl	Let-down	Primer: dilute to 10% active in isopropanol Additive: 0.5-3.0%	Alcohols and water	Epoxy-methoxy	Methanol	3	36	FDA 177.1390
Dow Corning® Z-6121 Silane	Amino-functional silane; 50% active	Improves adhesion and water resistance of coatings and adhesives when bonded to glass or metal substrates; can be used as an additive or primer	Acrylic, alkyd, epoxy, polyester	Grind or let-down or post add	Primer: dilute to 10% active Additive: 1.0-5.0%	Alcohols and water	Amino-methoxy	n- Butanol	5	36	FDA 175.105
Dow Corning® Z-6137 Silane	Aqueous solution of amino-functional silicone polymers; low alcohol content (<1%); 24% active; when used as a primer, apply by dipping or brushing	Promotes adhesion of a wide variety of coating systems to glass, ceramics and metals	Acrylic, epoxy, phenol, polyurethane	Let-down	Primer: dilute to 10% active Additive: 1.0-5.0%	Water, isopropyl alcohol	Aminosilanol	Water	7	24	–
Pigment Treatment											
Dow Corning® 3 Additive	Silanol-functional (Si-OH) additive; 10% active in toluene	Improves pigment dispersion and reduces separation and flotation; also provides leveling, flow-out and gloss	Epoxy, polyurethane	Grind or let-down or post add	0.1-0.5%	Aromatics such as xylene or toluene; mineral spirits or ketones	Silanol	Toluene	1	36	–
XIAMETER® OFS-6300 Silane[11]	Vinyltrimethoxysilane; 99% active	Pigment treatment	Acrylic, alkyd, epoxy, polyester, polyurethane, vinyl	Let-down	0.05-0.1%	Alcohols and water	Vinyl-methoxy	Methanol	3	36	FDA 177.2600
Water Resistance											
Dow Corning® 84 Additive	Low-viscosity emulsion of elastomeric silicone; 60% active	Provides water resistance for waterborne systems, particularly inks	Mainly acrylics	Let-down or post add	2.0-5.0%	Water	Silanol	Water	500	24	–
Dow Corning® 85 Additive	Medium-viscosity emulsion of elastomeric silicone; 60% active	Provides water resistance for waterborne systems, particularly inks	Mainly acrylics	Let-down or post add	2.0-5.0%	Water	Silanol	Water	40,000	24	–
Dow Corning® 87 Additive	Emulsion; 38-44% actives	Provides good water repellency and excellent water beading for waterborne systems with no impact on water vapor permeability; particularly for decorative paints	Acrylic, styrene-acrylics and vinyl acetate emulsions	Let-down or post add	2.0-5.0%	Water	Ethoxy-silanol	Water	50	18	–
Dow Corning® 88 Additive	Silane/siloxane blend; 85% actives	Provides excellent water repellency with no impact on water vapor permeability; can be used in waterborne systems containing polar solvents and solventborne systems; particularly for decorative paints	Acrylic, styrene-acrylics	Let-down or post add	2.0-5.0%	Aliphatic and aromatic hydrocarbons and polar solvents	Alkoxy-silanol	None	45	24	–
Leveling, Gloss											
Dow Corning® 56 Additive	Arylalkyl-modified silicone; 100% active	Aids deaeration and stabilizes the curtain in curtain coatings; improves leveling and gloss; aids pigment orientation; good thermostability	Acrylic, alkyd, epoxy, nitrocellulose, polyester, polyurethane, vinyl	Grind or let-down or post add	0.01-0.5%	Aromatics such as xylene, toluene, mineral spirits and chlorinated hydrocarbons	None	None	1,500	36	–
Dow Corning® 57 Additive	Silicone polyether copolymer; 100% active	Improves leveling, slip, mar resistance and gloss; excellent substrate wetting	Acrylic, alkyd, amide, epoxy, nitrocellulose, polyester, polyurethane, vinyl	Grind or let-down or post add	0.1-1.0%	Acetone, toluene, naphta, mineral spirits and isopropyl alcohol; dispersible in water	None	None	270	30	FDA 176.210[7]

(continued on page 7)

Table 2. Features, Typical Use and Properties of Additives from Dow Corning[1]

Product	Description	Features/Benefits	Compatible Binder Systems	Point of Addition	Typical Concentration[2]	Suitable Diluents[3]	Reactive Groups	Solvent	Viscosity at 25°C (77°F), cSt	Shelf Life, months[4]	Food Contact Compliance[5]
Leveling, Gloss (continued)											
Dow Corning® 401LS Additive	100% silicone polyether copolymer	Highly effective flow and leveling additive for solventborne and waterborne coatings; also lowers coefficient of friction to improve slip and hand feel; superior compatibility for clear coats	Acrylic, polyurethane	Let-down	0.05-0.2%	Alcohols, glycol ethers and aromatic solvents	Methoxy	None	100-250	30	Swiss Ordinance RS 817.023.21 Annex 6, Part B
Dow Corning® 402LS Additive	100% silicone polyether copolymer	Effective flow and leveling additive for waterborne and radiation curable systems; also lowers coefficient of friction, giving good slip; suitable in pigmented and clear coat formulations	Acrylic, acrylate	Let-down	0.2%	Alcohols, glycol ethers and aromatic solvents	Carbinol	None	280-400		Swiss Ordinance RS 817.023.21 Annex 6, Part B
Texturing											
Dow Corning® 23N Additive	Powder consisting of transparent spherical silicone elastomer particles with epoxy functionality; average particle diameter of 2-3 microns	Imparts mar and abrasion resistance with a silky, smooth, matte finish	Acrylic, polyester, polyurethane, vinyl	Prepare premix; see product data sheet	0.5-5.0%	Solvents such as glycols, glycol ethers, esters, alcohols, water or monomers used for UV coatings such as TPGDA	Epoxy	None	NA	27	–
Dow Corning® 33 Additive	Waterborne suspension of spherical silicone elastomer particles with epoxy functionality; average particle diameter of 2-3 microns; 46% active	Imparts mar and abrasion resistance with a silky, smooth, matte finish	Acrylic, polyurethane	Grind or let-down or post add	5-10%	Water	Epoxy	Water	50	12	–
Wetting											
Dow Corning® 67 Additive	100% silicone polyether copolymer	Imparts good spreading and wetting on difficult substrates, e.g., low-energy substrates such as polyethylene, polypropylene, polyester; suitable in inks, decorative and industrial coatings for plastic, metal and wood	Acrylate, polyester, polyurethane	Let-down	0.1-0.4%	Isopropyl alcohol, acetone and toluene; dispersible in water	Carbinol	None	31-51	24	Swiss Ordinance RS 817.023.21 Annex 6, Part B, and on Annex 5, Part B
Dow Corning® 500W Additive	100% silicone polyether copolymer	Imparts excellent wetting in waterborne and radiation curable systems; suitable across a wide range of substrates, including wood and plastics; stable at high pH	Acrylate, polyurethane	Let-down	0.1-0.4%	Isopropyl alcohol, acetone and toluene; dispersible in water	Acetoxy	None	25.5-29.5	36	–
Dow Corning® 501W Additive	100% silicone polyether copolymer	Imparts excellent wetting in waterborne and radiation curable systems; suitable across a wide range of substrates, including wood and plastics	Acrylate, polyurethane	Let-down	0.1-0.4%	Isopropyl alcohol, acetone and toluene; dispersible in water	Methoxy	None	10-30	24	Swiss Ordinance RS 817.023.21 Annex 6, Part B, and on Annex 5, Part B
Dow Corning® 502W Additive	100% silicone polyether copolymer	Imparts excellent wetting in waterborne and radiation curable systems; suitable across a wide range of substrates, including wood and plastics	Acrylate, polyurethane	Let-down	0.1-0.4%	Isopropyl alcohol, acetone and toluene; dispersible in water	Carbinol	None	49-75		–

[1] These values are not intended for use in preparing specifications.

[2] The typical concentrations are usage levels where the materials have performed successfully. Usage levels can vary depending on application and performance requirements. Please evaluate for optimum performance in each specific application.

[3] Review the Safety Data Sheet for each solvent prior to use. Safety Data Sheets can be obtained from your solvent supplier.

[4] From date of manufacture, months.

[5] **FDA Title 21 CFR** – 175 (175.105, 175.300, 175.320) Indirect food additives: adhesives and components of coatings; 176 (176.130, 176.170, 176.180, 176.200, 176.210) Indirect food additives: paper and paper board components; 177 (177.1390, 177.2600, 177.1520(b)) Indirect food additives: polymers.
EU Legislation – BfR recommendation XV about silicones; BfR recommendation XXXVI about paper and paperboard for food contact. EU Directive 2002/72/EC and its amendments up to and including Directive 2004/19/EC.

[6] Per Food Contact Notification 516.

[7] Per Food Contact Notification 142.

[8] Formerly known as *Dow Corning*® 19 Additive.

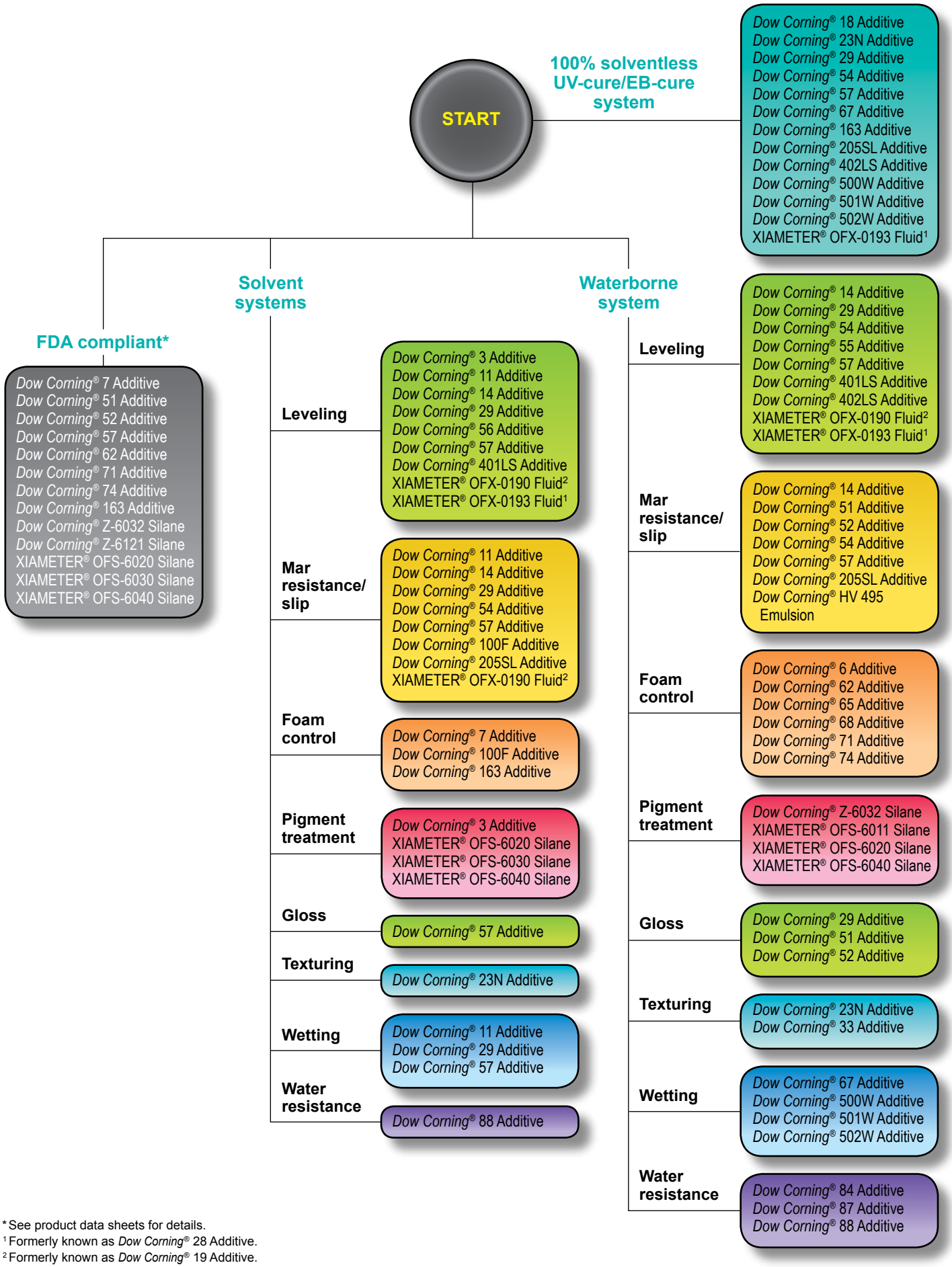
[9] Formerly known as *Dow Corning*® 28 Additive.

[10] Formerly known as *Dow Corning*® Antifoam 2210.

[11] Formerly known as *Dow Corning*® Z-6300 Silane.

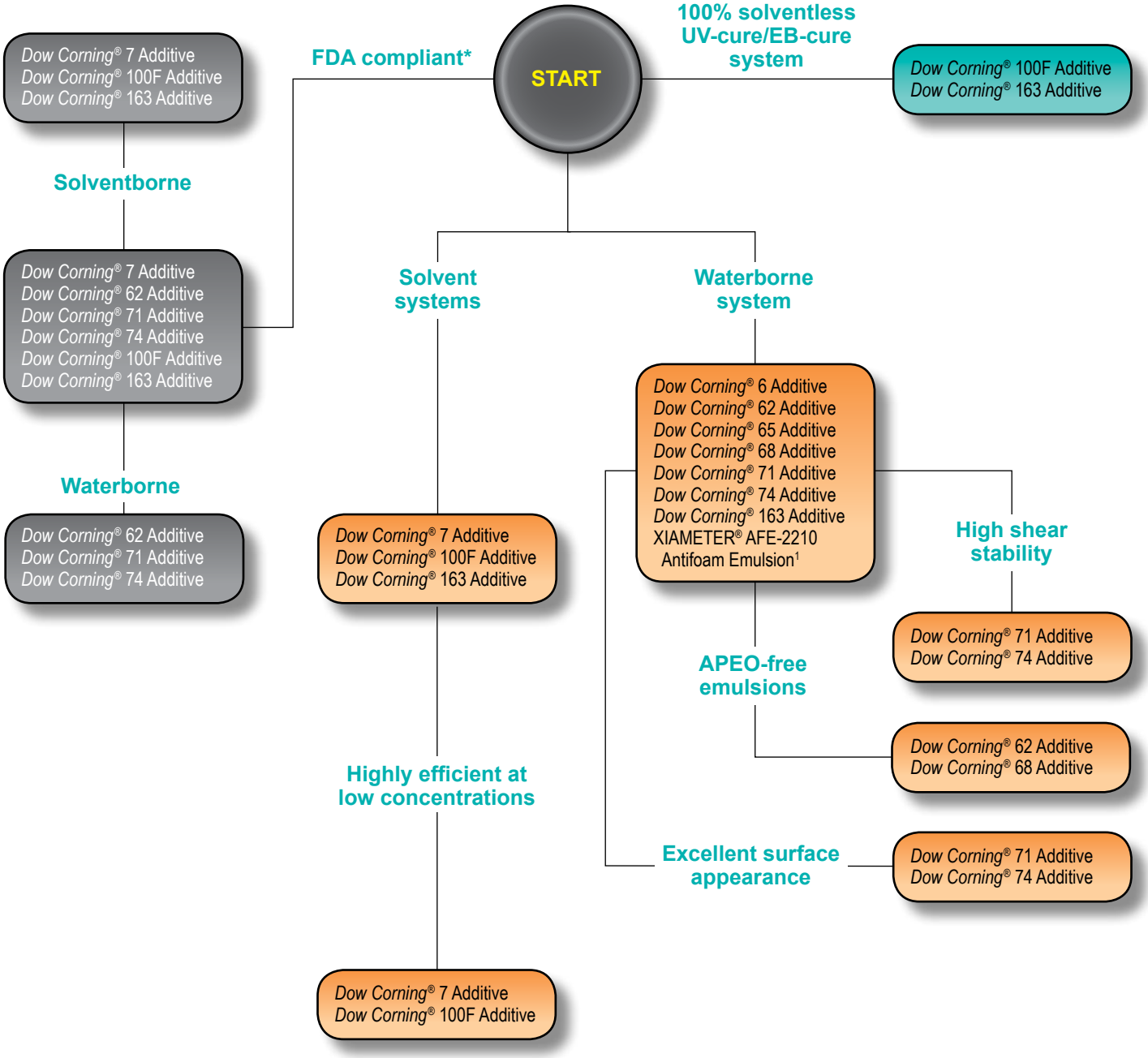
NA = Not Applicable.

Additive Selector Tree for Coatings Applications



* See product data sheets for details.
[1] Formerly known as *Dow Corning*® 28 Additive.
[2] Formerly known as *Dow Corning*® 19 Additive.

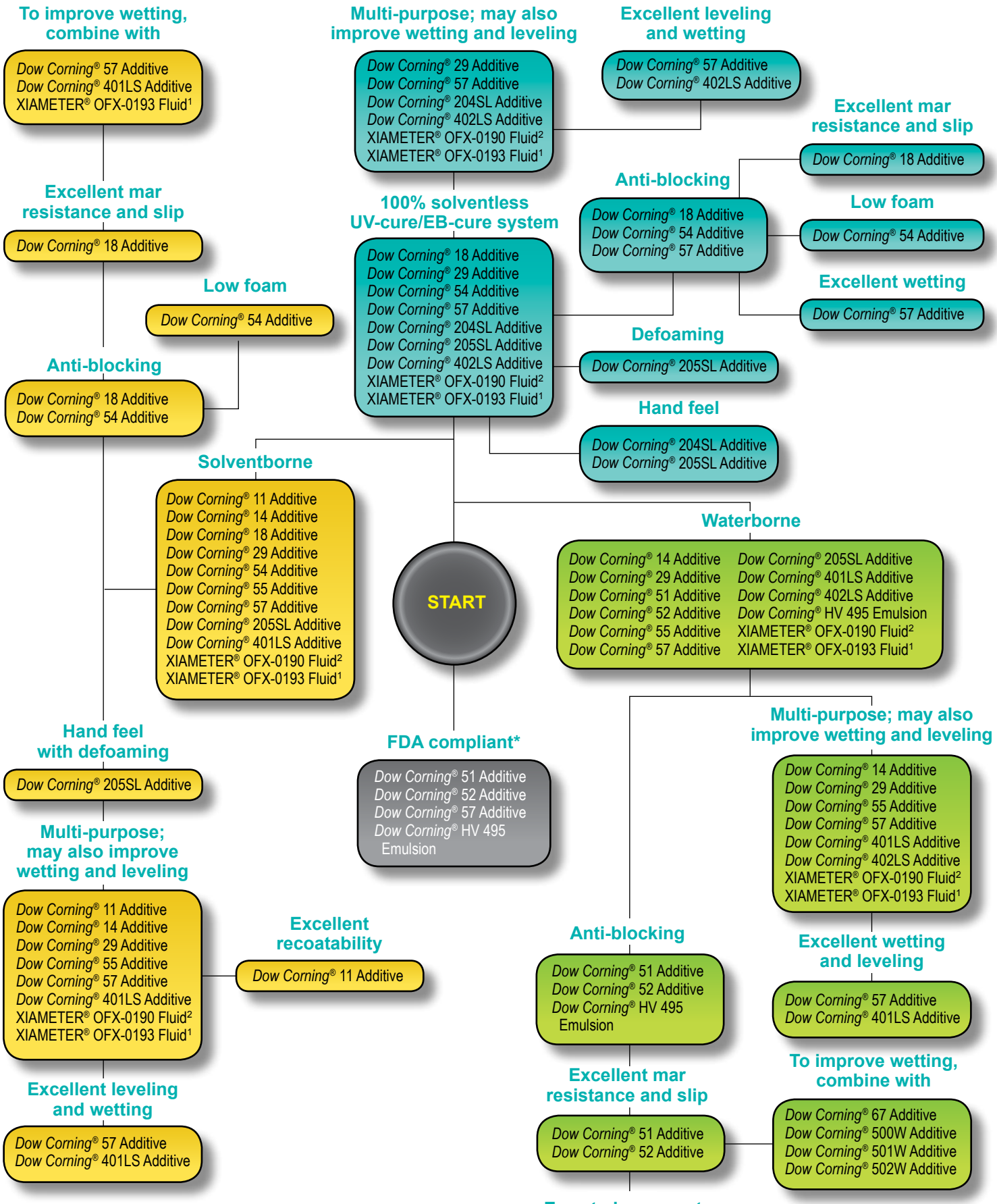
Foam Control Additive Selector Tree for Coatings Applications



*See product data sheets for details.

[1] Formerly known as *Dow Corning*® Antifoam 2210.

Mar-Resistant/Slip Additive Selector Tree for Coatings Applications

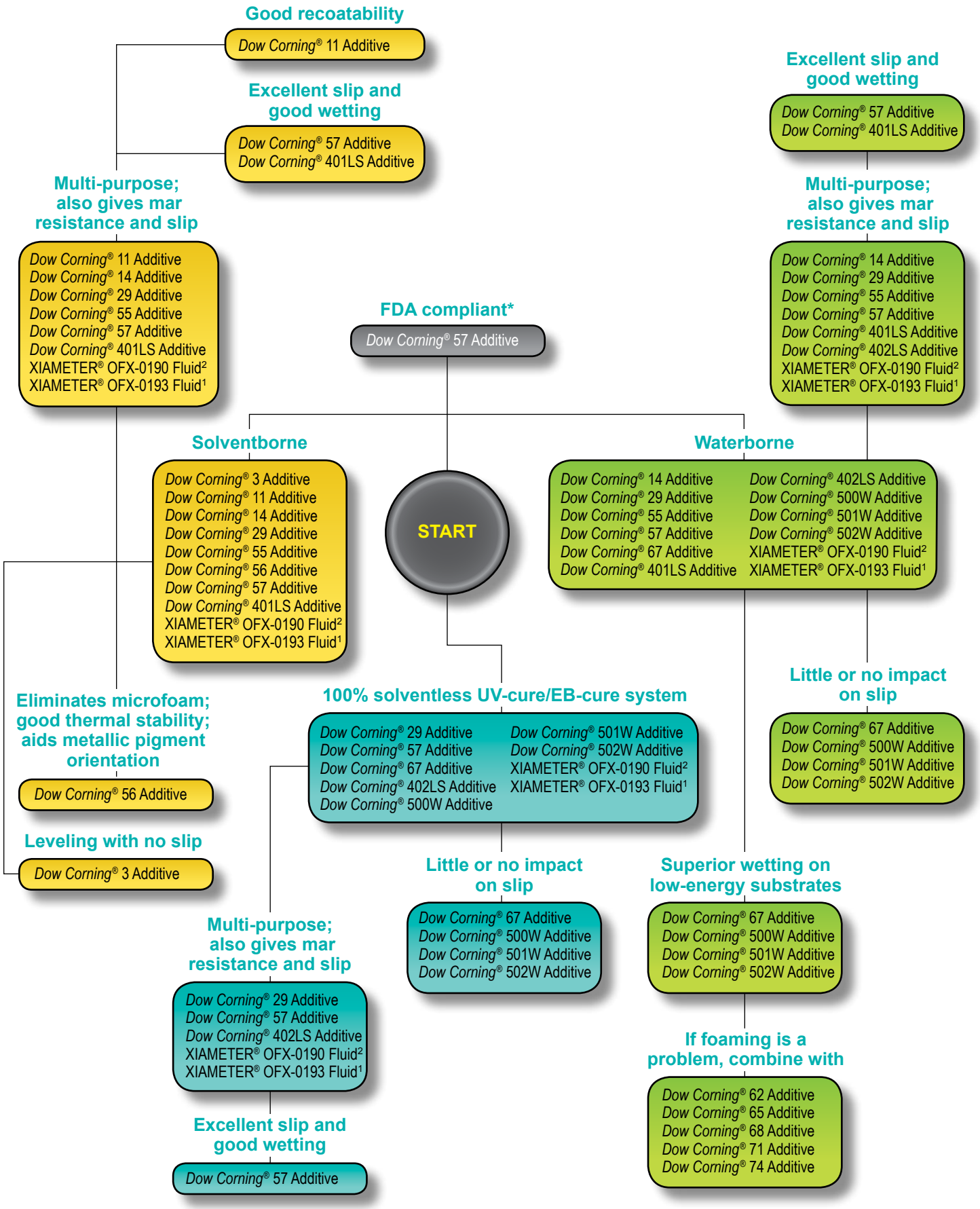


* See product data sheets for details.

[1] Formerly known as *Dow Corning*® 28 Additive.

[2] Formerly known as *Dow Corning*® 19 Additive.

Leveling and Wetting Additive Selector Tree for Coatings and Ink Applications



*See product data sheets for details.
[1] Formerly known as *Dow Corning*® 28 Additive.
[2] Formerly known as *Dow Corning*® 19 Additive.

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Printed in USA AGP11721 Form No. 24-391AA-01

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