

ASCC SEALER CHARACTERISTICS CHART

STANDARD SEALER NAME	COMMONS NAMES FOR SEALER	SOLVENT or WATERBORNE	TECHNOLOGY DESCRIPTION	CURE-N-SEAL STANDARD (Y/N)	SHEEN	FEATURES	BENEFITS	PRIMARY PERFORMANCE CHARACTERISTICS	Recoat Time Frame Years**
Acrylic Sealer Water-based (***) EXAMPLE (***)	WB Sealer, Wax	S	Pure Acrylic Emulsion	N	Gloss Satin	Usually one-part, easy to apply, low odor, previously applied substrates	Fast drying, non-yellowing, very clear, breathable	Leave translucent or transparent application similar to original color application,	
Acrylic Sealer Solvent-based	Acrylic Sealer, Solvent Sealer, Oil Sealer	S	Xylene, Mineral Spirits	N	Gloss	Usually one-part, easy to apply, high odor, bare or unsealed concrete surfaces, builds film	Fast drying, richer colors, excellent clarity, higher solids, better penetration	May yellow or amber over time, my bubble during application, surface heat sensitive, chemical resistant and stain, resists hot tire pick up	1-3 Years
Acrylic Silicone Fortified Water-based	Acrylic Waterbased Sealer, Waterbased Sealer	W	Pure Acrylic Emulsion, Styrene Acrylic, Solvent-hybrids with water clean up	N	Gloss Satin	Usually one-part, easy to apply, low odor, goes on milky white and dries clear, bare or previously applied substrates*, concrete surfaces, builds film	Fast drying, colors remain very close to application color, higher solids, more topical, less bubbling during application, low V.O.C.	Breathable (allowing the release of moisture), crystal clear, non-yellowing in most cases, softer than solvent film, good stain resistance, great adhesion	1-2 Years
Acrylic Thermoplastic Solvent-based	Solvent-Sealer, Quick Flash Solvent Sealer	S	Aromatic Naphtha	Y	Gloss	Usually one-part, easy-to-apply, high odor	Very fast drying, excellent penetration, moderate solids, less bubbling durin application, richer color, excellent clarity	Not breathable, can be applied to green concrete, often used as a cure-n-seal walkaway sealer, richer colors, chemical and stain resistant	2-4 Years
Cure-N-Seal	Cure-N-Seal, Fresh Concrete Sealer, Green Concrete Sealer	BOTH	Minerals spirits, waterbourne, xylol	Y	Gloss Satin	Usually one-part, easy-to-apply, moderate odor, excellent penetration, helps with concrete hydration, most cases high odor, clear sometimes amber color	Wet look appearance, Helps with concrete curing process, meets ASTM C 309 and ASTM C 1325 requirements, can be breathable, color enhancement, chemical resistant	Can be applied to freshly poured concrete, excellent penetration, seals and locks in colors	2-5 Years
Penetrating Sealer	Penetrating Sealer,	BOTH	Waterborne acrylics, hybrids, siloxane, silane	BOTH***	Satin Flat	Excellent penetration, wet look appearance, very good water repellency, critical recoat window, easy application, high odor, clear sometimes amber color	Very good salt repellency, builds a thin film,	Does very litte to enhance colors, excellent for salt and freeze than situations	2-5 Years
Siloxane	Penetrating Sealer, Water proofing, sealers	BOTH	Siloxane	N	Flat	Excellent penetration, excellent water repellency, low to moderate odor	No sheen, excellent protection from freeze-thaw cycles, salt, no film build	Does not perform any color enhancement, very little chemical resistance	1-5 Years
Silane	Penetrating Sealer, Water proofing, sealers	S	Silane	N	Flat	Excellent penetration (better than Siloxanes), excellent water repellency low to moderate odor	No sheen, excellent protection from freeze-thaw cycles, salt, no film build	Does not perform any color enhancement, very little chemical resistance	3-7 Years
Silica/Silicate/Siliconate	Densifier	BOTH	Pure silica, carbon, sodium, lithium	BOTH***	Matte Flat	Excellent penetration, very good dust proofing qualities, low to moderate odor	Very little sheen, hardens the concrete and reduces porosity	Does very litte to enhance colors, excellent for salt and freeze than situations	10+ Years

*** Read manufacturer's directions and warranty limitations when applying over previously applied substrates.**

****Recoat Timeframes determined through inquiries of users of various brands of products and past practice experiences.**

***** Make sure manufacturer's product meets ASTM standards C309 and C 1315.**