

ASCC SEALER CHARACTERISTICS DOCUMENT

SEALER CATEGORIES	STANDARD SEALER NAME	COMMON NAMES FOR SEALER	SOLVENT or WATERBORNE	TECHNOLOGY DESCRIPTION	CURE-N-SEAL STANDARD (Y/N)	SHEEN	FEATURES
WATER-BASED ACRYLICS	Acrylic Sealer Water-based	WB Sealer, Wax	W	Pure Acrylic Emulsion	N	Gloss Satin	Usually one-part, easy to apply, low odor, previously applied substrates*
	Acrylic Silicone Fortified Water-based	Acrylic Water-based Sealer, Water-based 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
SOLVENT-BASED ACRYLICS	Acrylic Sealer Solvent-based	Acrylic Sealer, Solvent Sealer, Oil Sealer, Silicone Acrylic Sealer	S	Xylene, Mineral Spirits, Silicone	N	Gloss	Usually one-part, easy to apply, high odor, bare or unsealed concrete surfaces, builds film
	Acrylic Thermoplastic Solvent-based	Solvent-Sealer, Quick Flash Solvent Sealer	S	Aromatic Naphtha	Y	Gloss	Usually one-part, easy-to-apply, high odor
	Cure-N-Seal	Cure-N-Seal, Fresh Concrete Sealer, Green Concrete Sealer	BOTH	Minerals Spirits, Waterborne Hybrids, 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
SILANE/SILOXANE PENETRATING SEALERS	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
	Siloxane	Penetrating Sealer, Water proofing sealers	BOTH	Siloxane	N	Flat	Excellent penetration, excellent water repellency, low to moderate odor
	Silane	Penetrating Sealer, Water proofing sealers	S	Silane	N	Flat	Excellent penetration (better than Siloxanes), excellent water repellency, low to moderate odor
DENSIFIERS	Silica/Silicate/Siliconate	Densifier	BOTH	Pure silica, Carbon, Sodium, Lithium	BOTH***	Matte Flat	Excellent penetration, very good dust proofing qualities, low to moderate odor

- * 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.
Results are dependent on such variables as traffic flow, climate, surface profile, condition of surface to be applied, etc.
It is always best to check with the manufacturer of the product to determine the re-coat time for specific product brands.*
- *** Make sure manufacturer's product meets ASTM standards C309 and C 1315.*

BENEFITS	PRIMARY PERFORMANCE CHARACTERISTICS	TYPICAL RECOAT TIME FRAME YEARS **
Fast drying, non-yellowing, very clear, breathable, low V.O.C., easy clean-up	Leave translucent or transparent application similar to original color application,	1-2 Years
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
Fast drying, richer colors, excellent clarity, higher solids, better penetration	May yellow or amber over time, may bubble during application, surface heat sensitive, chemical and stain resistant , resists hot tire pick up	1-3 Years
Very fast drying, excellent penetration, moderate solids, less bubbling during 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
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
Very good salt repellency, builds a thin film,	Does very little to enhance colors, excellent for salt and freeze thaw situations	2-5 Years
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
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
Very little sheen, hardens the concrete and reduces porosity	Does very little to enhance colors, excellent for salt and very heavy mechanical traffic situations	5-8 Years