



RESICLEAR

Technical Data Sheet

Clear Acrylic Sealer

RESICLEAR is formulated as a self-crosslinking stain resistant sealer that features excellent wash-down characteristics. RESICLEAR is easily installed by roller or spray equipment.

WHERE TO USE:

- As a breathable topping.
- As a primer or sealer for concrete pavers, terrazzo and flagstone.
- As a component of various Strongwall products and systems.
- Interior and exterior service conditions.

FEATURES AND BENEFITS:

- Breathable
- Durable
- Excellent weathering
- Abrasion resistant
- Non-yellowing
- UV stable
- Odorless
- Non-toxic

TYPICAL PHYSICAL PROPERTIES AT 75° F (24° C):

Typical physical properties and test results may differ based upon statistical variations of independent testing labs with respect to test methods, mixing methods and equipment used. Project application methods, temperature, actual site and environmental conditions will all affect the cure rates, working life, recoat time and open to traffic project conditions throughout the installation.

Solids Content	ASTM D-2369	Approximately 28%
Adhesion	ASTM D-4541	395 psi
Abrasion Resistance	ASTM D-4060	30 mg/loss
Water Absorption	MIL-D-3134	< 1.0%
Flash Point		> 100°C or 212°F
Dry to Touch		30 minutes @ 5 mils
Recoat Time		1 hour @ 5 mils
Open to Traffic		24 hours after installation or when fully cured
VOC grams/L	40 CRF 60 Appendix A7 Method 24	< 97 g/L
Leveling Ability		Excellent
Color		Clear
CSI Division		09960

PACKAGING:

5 gallon pail

COVERAGE:

Many factors contribute to coverage rates such as, but not limited to: substrate texture and porosity, disparities in applied thickness, methods of application, individual installation techniques and typical allowance for waste. Two coats are required.

600 ft² @ 10 mils

ENVIRONMENTAL CONDITIONS:

All materials are mixed, installed and cured at the job site. These environmental conditions are required to facilitate proper curing and performance of the topping. Do not proceed if outside of these environmental conditions.

Ambient	Minimum	Maximum
Temperature	45°F and rising	90°F
Relative Humidity	20% rh	85% rh
Wind	N/A	30 mph
Substrate: Not frost laden		
Temperature	50°F and rising	85°F
Relative Humidity	N/A	75% rh
MVER	N/A	6 lbs.
Measure and record these temperatures daily. Do not apply materials if rain or freezing conditions are anticipated. Temperatures outside this range will negatively affect film formation of the topping. Substrate temperature must be at least 5°F above measured dew point.		

SURFACE PREPARATION:

- Apply only to a clean, fully cured and completely dry installation.
- Perform plastic sheet test to verify presence of latent moisture.
- Maintain this condition throughout the installation of both coats.

INSTALLATION PROCEDURES:

The proper installation of the RESICLEAR topping is the sole responsibility of the end-user.

The supervision and quality control of the project is the sole responsibility of the user.

Job site visits by SWI representatives are only for the purpose of making recommendations.

- Conduct a pre-installation conference with all parties in attendance at the project site to review the details regarding joints, transitions, flashing and any other conditions prior to commencing work.
- For best results, install a field mock-up using the same equipment as in the construction procedures, for owner, architect and engineer approval of the following: surface preparation, adhesion, functionality, application procedures and technique, coverage rates, finish, texture and color.
- Installed products must be totally dry prior to application.
- Maintain dust free conditions throughout the application as all contaminants will inhibit bond formation.
- Precondition properly stored material to 65°F - 75°F prior to mixing.
- Work according to the approved field mock-up.
- Provide sufficient ventilation to achieve optimal performance and a full and continuous cure of the topping.
- Follow all environmental conditions.

MIXING:

- Pre-mix for 2 minutes.
- Use a 400 rpm drill with a mounted Jiffy mixer.
- Place at ¾ depth of the pail.
- Do not create a vortex or aerate the material.

PROCEDURES:

Installed products are fully cured and totally dry.

Mix material prior to each application to eliminate any settling.

Ensure good, intimate contact with previously installed material.

Tape a clean line to work to.

- Apply evenly, keep a wet edge and back roll
- Regularly check wet mil thickness and coverage rates.
- Thoroughly scrub the first coat into the coating or profiled substrate as a bond coat.
- Install in thin coats to reduce pin holing, achieve optimal adhesion and weatherproofing.
- Use a crosshatch method.
- Leave no puddles or excess material
- Allow first coat to cure.
- Apply the second coat.
- Discard topping once it begins to set up.
- Clean all tools and equipment with water while still wet immediately after use.
- If cured, mechanical means will be necessary.
- Finish as per approved field mock-up.
- Allow to fully cure and remain dry between coats.
- Open to the public 24 hours after the topping is fully cured.

ROLLER:

Do not thin the product.

- Pour into paint tray.
- Dip and roll using short nap high-density rollers.
- Back roll each coat.

SPRAY:

Do not thin the product.

Filter prior to spraying.

Recommended tip orifice for airless sprayer is 17-20 mils.

- Apply in a continuous and uniform manner.
- Apply in thin coats.
- Always keep a wet edge.
- Thoroughly scrub onto the installed coating.
- Back roll each coat.

EQUIPMENT AND TOOLS:

Air blower

Precision mil gauge

Jiffy mixer model PS-1

Variable speed industrial drill

Spray equipment

Short nap high-density rollers

Lamb's wool cover

Roller handles with extensions

Natural bristle brush

PRECAUTIONS AND LIMITATIONS:

Refer to corresponding Product Data Sheets, Installation Procedures and Safety Data Sheets of all products and systems prior to installation.

Refer to www.strongwall.com for the most recent information and updates.

- RESICLEAR is not a standalone product.
- Do not apply beyond the recommended thickness.
- Remove all spills and overspray while still wet.
- Avoid application in direct sun when surfaces are hot.
- Honor all joints.
- No ponding water conditions.
- Avoid rolling loads with steel wheels.
- Do not expose topping to chemicals for which it is not compatible or resistant.
- Minor staining, streaking or efflorescence may occur due to cure rate and site conditions or when a fresh topping is exposed to water, heavy dew or excessive moisture.

CHEMICAL RESISTANCE:

Chemical resistance is a functional test usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subject aesthetic issues. To determine aesthetic issues, Strongwall Industries, Inc. recommends testing the products or system in accordance with its intended end use prior to installation.

Environment	Immersion	Splash/Spillage	Weathering
Acid	LR	LR	R
Alkali	LR	R	R
Solvent	LR	LR	R
Salts	R	R	R
Water*	R	R	R

*No ponding water - R: recommended - LR: limited recommendation

SHELF LIFE:

One year from date of manufacture as long as containers remain unopened and material is stored in a tempered area at 65°F to 75°F.

LEED SUBMITTALS:

Available upon request. Credit points may be available under five different classifications.

SITE, STORAGE AND TRANSPORTATION CONDITIONS:

Materials should be delivered in their original packaging with seals unbroken and bearing the manufacturers' labels indicating brand name, directions for storage and mixing with other components. Check materials upon receipt to make sure all is accounted for and has arrived in good condition. Store materials indoors, off the ground and in a dry location at temperatures not exceeding 80°F or lower than 65°F. Always keep the material out of direct sunlight and freezing temperatures in a protected environment. RESICLEAR must not freeze. Precondition material to 65°F - 75°F as required.

SPECIFICATION ASSISTANCE:

Consult Strongwall Industries, Inc.

TESTING:

The technical data contained herein is the result of tests made in the manufacturer's laboratories or independent laboratories using small scale equipment, ideal conditions and following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

FIRST AID, HEALTH AND SAFETY:

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. For respiratory problems, remove person to fresh air. Contact a physician.

Users must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300. For further information and advice regarding transportation, handling, storage, and disposal of chemical products, the user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data.

MATERIALS GUARANTEE:

Available upon request.

LEGAL DISCLAIMER:

Strongwall Industries, Inc. products and systems are for professional use only and should be applied by professionals with prior experience with SWI products and systems or who have undergone training in the application of SWI products and systems. Published technical data and procedures are subject to change without notice. Call the corporate office at (201)-445-4633 or visit www.strongwall.com for current technical data, guidelines or project specific recommendations.

Prior to each use of any product of Strongwall Industries, Inc., the user must always read and follow the warnings and instructions on the product's most current Product Label, Safety Data Sheet, Product Data Sheet, and Installation Procedures.

In addition, no materials guarantee will be issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear and improper application and/or surface preparation performed by the applicator. Damage caused by abuse, neglect, and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects is also excluded from the materials guarantee. SWI reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by the owner, general contractor or applicator. Nothing contained in any Strongwall Industries, Inc. literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each Strongwall Industries, Inc., product as outlined in the current Product Label, Product Data Sheet and Installation Procedures prior to use of the Strongwall Industries, Inc. product.

Strongwall Industries, Inc. warrants this product free from manufacturing defects if installed as directed and within the product's shelf life by a state-licensed waterproofing contractor over a clean, sound and properly mechanically prepared substrate. The user determines the suitability of the product for the intended use and assumes all risks associated with the use or application of the product. Users and/or buyers sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. No claim of any kind shall be greater than the purchase price of the product in respect of which damages are claimed. No other warranties express or implied shall apply including any warranty of merchantability or fitness for a particular purpose. Strongwall Industries, Inc. shall not be liable under any legal theory for special or consequential damages. Strongwall shall not be responsible for the use of this product in a manner to infringe on any patent or any other intellectual property rights held by others. In addition, all recommendations, statements and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or materials guarantee, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine the suitability of the product for his own intended use, application and job situation and the user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from the use or inability to use the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and SWI makes no claim that these tests or any other tests accurately represent all environments.

Keep containers tightly closed. Always keep out of reach of children. Never for internal consumption. For industrial use only. For professional use only. Do not allow application by untrained workers.