



AquaSol™

Enhanced Acrylic Finish with Hydrophobic and Photocatalytic Properties

	Method	Criteria	Results
Abrasion Resistance*	ASTM D968	No cracking or loss of film integrity at 528 quarts (500 L) of sand	Pass @ 1000 Liters
Accelerated Weathering	ASTM G153 (Formerly ASTM G 23)	No deleterious effects at 5000 hours when viewed under 5x magnification	Pass. No blistering, damage, chalking, cracking, checking, crazing or erosion.
Color Fastness After Weathering	ASTM G153	After 5000 hrs	$\Delta E = 1.1$ No Color Fading or Blushing
Flexibility (Mandrel Bend)	ASTM D522, Method B	No Requirement	1" diameter @ -4°F
Freeze/Thaw Resistance*	ASTM E 2485	No deleterious effects at 10 cycles when viewed under 5x magnification	Pass @ 60 cycles
Mildew Resistance*	ASTM D 3273	No growth supported during 28 day exposure period	Pass @ 35 days
Mildew Resistance*	MIL 810 B 508		No growth 28 days
Moisture Resistance*	ASTM D2247	No deleterious effects at 14 day exposure	Pass 28 days
Salt Fog Resistance*	ASTM B117	No deleterious effects at 300 hours	Pass @ 900 hrs
Scrub Resistance	ASTM D2486	No Requirement	Pass 10,000 Cycles
Surface Burning Characteristics	ASTM E84	Individual components shall each have a flame spread <25, and smoke developed < 450	Flame Spread: 0 to 15 Smoke Developed: 0 to 15
Water Vapor Transmission	ASTM E 96 Procedure B	Vapor Permeable	Permeable
VOC	EPA Reference Test Method 24	US EPA, South Coast AQMD and Greenseal Standard	7.1 g/L
Dirt Collection	ASTM D3719	61 days	$\Delta E = 0.85$
Solar Reflectance	ASTM C1549	no change or improved after 5000 hours of exposure	Improved solar reflectance after 5000 hrs exposure, no blistering, no fading, no chalking.
Rhodamine B Dye Test		Degradation of Rhodamine by exposure to UV light	60% Increase in *L Value - Up to 60% of pollutants degraded after 48 hours of UV exposure with a positive trend.

*Tested with Parex Basecoat

DESCRIPTION

- Available in:
 - AquaSol™ Swirl Fine
 - AquaSol™ Swirl Coarse
 - AquaSol™ Multi-texture
 - AquaSol™ Sand Smooth
 - AquaSol™ Sand Fine
 - AquaSol™ Sand Coarse
- Excellent water repellency
- Pollution reducing
- Long-term durability
- Self-cleaning
- Heat reflective

USES

- Exterior finish coat over:
- Parex CI Systems
 - Properly prepared masonry, stucco, and concrete surfaces

COMPOSITION

- Binder base: 100% Acrylic polymer with surface-hardening property.
- Aggregate: Pure crushed marble, rust-free.
- Water-based: VOC-compliant
- Pigment base: Titanium dioxide.
- Water Repellency Properties
- Color: ParexUSA standard colors or tinted to desired custom color. Meets SCAQMD Rule 1113 when using ParexUSA Non-VOC Colorants

CONTAINER:

- 65 lb (29.5 kg) net weight in plastic pails.
- Storage: Protect from direct sunlight and freezing at all times.
 - Do not stack pails more than 3 pails high.
 - Shelf life: Reference ParexUSA Expiration Date of Products Technical Bulletin

COVERAGE

Depending on the condition of the substrate and method of application, approximate coverages per pail are:

AquaSol™ Swirl Fine

Aggregate size: 1.5mm
120–135 ft² (11–12.5 m²)

AquaSol™ Swirl Coarse

Aggregate size: 3.0mm
70–95 ft² (6.5–9 m²)

AquaSol™ Multi-Texture

60–150 ft² (6–14 m²)
Coverage varies due to texture.

AquaSol™ Sand Smooth

Aggregate size: 0.5mm
280–300 ft² (26–28 m²)

AquaSol™ Sand Fine

Aggregate size: 1.0mm
150–165 ft² (14–15 m²)

AquaSol™ Sand Coarse

Aggregate size: 1.5mm
90–110 ft² (8.4–10.2 m²)

DRYING TIME

24 hours under normal conditions. High humidity and low temperatures extend drying time.

CLEAN UP

Water soluble prior to drying. Clean tools and containers with water prior to drying.

SURFACE PREPARATION

- Remove surface contaminants such as dust or dirt without damaging the substrate.
- For previously painted surfaces, all loose and chalking paint must be removed, and glossy surfaces dulled.
- For stucco substrates, Portland Cement Plaster must be clean and cured a minimum of 7 days or in accordance with Parex Armourwall Specifications.
- New concrete and masonry must be clean and cured a minimum of 28 days.
- Check concrete surfaces for alkalinity and treat. Any form-release agents or bond breakers must be removed.
- Uneven concrete or masonry can be leveled with a Parex 121 Basecoat & Adhesive or other suitable, compatible product.

- ParexUSA recommends the use of primers to enhance the appearance and uniformity of the finish, improved coverage, and decrease the chance of efflorescence. This is especially true when using dark colors or finishes with a large aggregate. If specified, prime with ParexUSA Primer or Variance VariPrime Sanded, refer to Product Data Sheet.

- For additional options, contact ParexUSA Technical Services Department.

MIXING

- Use clean equipment for mixing and preparation.
- Stir to obtain a homogeneous consistency using a heavy-duty 1/2-in. (13 mm) drill with a rust free paddle at 400–500 rpm. Avoid air entrainment.
- Add the amount of water needed to achieve finish texture. To avoid color variations, add the same amount of water to each pail of finish as up to 16 oz (0.5 L).

APPLICATION

- Read the entire label before using this product.
- Always maintain a wet edge and work to corners or joints. For best color consistency, use finish with the same batch number within a wall section.
- Keep container closed when not in use.
- Use a clean stainless steel trowel and apply a uniform coat the thickness of the largest aggregate size of the finish.
- Texturing Multi-Texture Finish: Use a clean stainless steel trowel and apply a uniform coat the thickness of the largest aggregate size of the finish and allow to completely dry before applying the second coat. *Proper drying in between coats is crucial. If the second coat is applied over a wet first coat, the material will dry as a one thick coat and be more prone to cracking.* After the first pass has dried (typically 3-4 hours in 75°F, 50% RH) apply a second coat of Multi-Texture, using tools and techniques necessary to obtain the desired texture. The maximum thickness within the applied texture must not exceed 3/16 in. (5mm) with average thickness not more than 1/8 in. (3mm).

- Texturing Swirl, Swirl Coarse, Sand Fine, and Sand Coarse Finishes: Use a clean plastic float or stainless steel trowel. A plastic float will roll the large aggregates more than a stainless steel trowel. Continuously dry clean the plastic float or steel trowel while texturing. Use consistent pressure and motion to achieve the desired texture. See Parex application guides.

- Texturing Sand Smooth Finish:

- Optional: Level stucco brown coats with any Parex 121 Basecoat & Adhesive and let dry prior to finish application.
- Sand Smooth Finish cannot generally be floated. Texture will be “as trowelled.”
- Sand Smooth Finish can be trowelled smooth to simulate the texture of limestone.
- For smoothest application, apply in two tight coats. Allow first coat to dry enough that it will not be disturbed during application of the second coat. When second coat is partially dry, trowel to desired smoothness. Light, consistent misting with water during smoothing will increase smoothness. Variations in color tint and smoothness should be expected.
- Spray application: To achieve consistent texture, spray application must use consistent motion, pressure, distance and spray angle. A job-site mock up for spray application is advised.

LIMITATIONS

- Ambient and surface temperature must be 40°F (4°C) or higher during application and drying time. Provide supplemental heat and protection from precipitation as needed.
- Use only on surfaces that are sound, clean, dry, unpainted, and free from any residue that might affect the ability of the finish to bond to the surface.
- Application in direct sunlight in hot weather may adversely affect aesthetics.

WARNING

- Read complete Warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Safety Data Sheet (SDS). The most current SDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, ParexUSA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

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