

PAREX[®]



Architectural Coatings & Finishes (ACF)

- Acrylic Finishes
- Elastomeric Finishes
- Acrylic Coatings
- Elastomeric Coatings
- ACF Assemblies

Why Parex ACF?

Finishes and coatings contribute color, texture and an overall visual appeal to the wall. They also provide some protection from the elements or other exposure. By selecting appropriate finishes and coatings designers have greater freedom to create the surfaces they envision and to incorporate functional, protective attributes to withstand the rigors of time.

Success with finishes and coatings therefore depends on selecting the right products for the job and applying them correctly. This section describes finishes and coatings, and lists some of their essential features to help you make the right selection.

For more information, or if your project has unique requirements that might warrant special consideration, call ParexUSA Technical Services.

Before You Begin

The key to a lasting exterior finish or coating application is proper surface preparation.

Regardless which finish or coating will be applied, proper surface preparation is critical. Knowing the type and condition of the substrate determines how it must be prepared. Because of wide variations in substrates, we recommend that each substrate be individually inspected and prepared according to its specific need.

A simple rule of thumb to remember during this inspection is that the substrate must be sound, clean, and designed for exterior exposure.

The following information begins with the assumption of a properly prepared substrate.

Acrylics

Finishes and coatings include a range of products, each designed to do a specific job:

Primers

Once a surface is prepared to receive a finish or coating, a primer is recommended.

Key Benefits of using a primer:

- Reduce the chance of efflorescence that might result from cementitious surfaces.
- Promote uniformity in the finish coat.
- Enhance the appearance of the final coat.
- Improves coverage of either finish or coating applied over it.

Finishes

An acrylic finish is a product that is made up of polymers, aggregates, mineral fillers, and integral colorants. It is trowel or spray applied to provide the final coat for CI systems, stucco, masonry, concrete, or other substrates. Finishes have aggregate that will provide both texture and gauge thickness.

Key benefits of finish:

- Strong bonding
- Thicker layered top coat
- Vapor-permeable
- Flexible, can withstand thermal shock
- Resists UV and weathering
- Unlimited colors and a variety of textures

Coatings

Coatings are typically non-aggregated products which are roller or spray-applied. These products provide the final coat over nearly any substrate. Coatings can also be used to refurbish existing acrylic finishes.

Key benefits of coatings:

- Thin-layered topcoat
- Water vapor-permeable
- Resists UV and weathering
- Provides final color

Water-Based Sealers

Sealers are designed to provide additional protection over a vertical surface. The surface can be a coating or finish over CI systems, stucco, concrete, masonry and many other substrates.

Key benefits of sealer:

- Non-yellowing
- Transparent
- Seals topcoat
- Provides additional protection against mildew, algae and dirt
- Provides UV protection
- Enhances finish color stability

Elastomerics

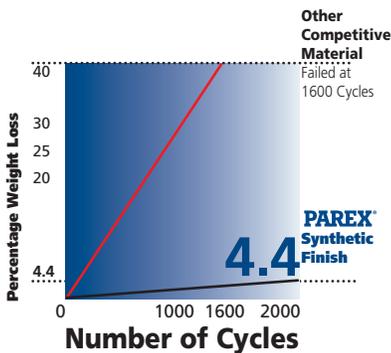
Elastomeric finishes and coatings are primarily used as the final coat over stucco surfaces. This chemistry provides a more flexible product that is well suited for stucco substrates.

Key features of elastomerics:

- Resists UV and weathering
- More flexible than acrylics
- Water vapor-permeable
- Withstands thermal shock

Wear Resistance

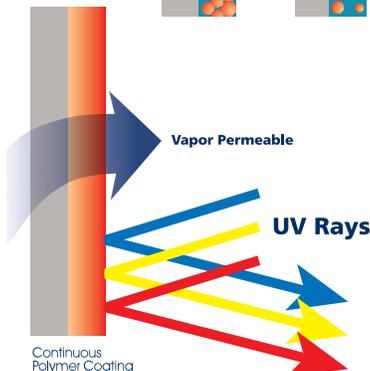
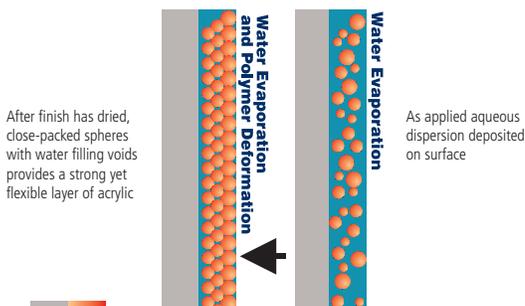
In test after test, Parex finishes endure: wash-out resistance, peel adhesion, wet abrasion. For instance, when a stiff brush scrubs back and forth 2000 times over a wet Parex sample, only 4.4% of the sample's weight is lost.



Test conducted by an independent laboratory on a Parex finish against a competitor's comparable product

Weather Resistance

Parex chemistry triumphs over the weather. The 100% acrylic formulation does not trap water vapor beneath it. At the same time, the film created by the acrylic polymers in the finish resists damaging UV rays, freeze/thaw cycling, and acid rain. The pigments in Parex finishes are all 100% exterior-grade for maximum colorfastness and UV resistance.



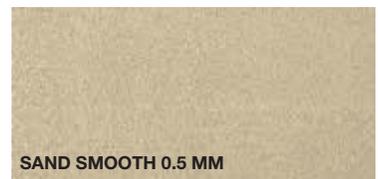
Consistent color Rust-free finish

From the beginning, Parex has used marble aggregates as the texturing stone in all finishes. The white, bright marble improves color stability and consistency while providing sharper and cleaner looking colors than those of finishes based on other types of aggregates. No other aggregate yields consistent color like pure white marble. Using marble also eliminates the tiny iron mineral particles found in quartz sand, which can rust and streak as humidity and rain take their toll on buildings. Parex marble aggregates are rust-free.

DPR Technology

Parex finishes have remarkable resistance to dirt and stains. "DPR Technology" is the reason. Heat can cause other finishes to soften and become tacky. This can encourage dirt accumulation, mold, and atmospheric pollutant buildup. Parex DPR Technology fights back with specially formulated acrylic polymers that do not soften when exposed to heat. As an added protection, every Parex finish also contains EPA registered mildewcides and algicides.

Acrylic / Elastomeric Textures



*Multi Texture is an example of a finish possible with this texture. The product can be troweled and shaped into a number of different stucco looks.

Weather Resistant

Parex 100% acrylic formulation allows vapor to permeate the layers of the system, while the film created by the acrylic polymers in the finish resists damaging UV rays.

FINISHES	USE	CHARACTERISTICS
Ultra e-lastic	Textured elastomeric finish For masonry, stucco, and concrete Especially recommended for old, dry and cracked surfaces	High elongation 100% acrylic Premium grade durability
Aquasol	Textured finish For CI systems, masonry, stucco, and concrete Especially recommended for old, dry and cracked surfaces	100% Acrylic Very high durability Self-cleaning Dirt pick up resistance
e-lastic	Textured elastomeric finish For masonry, stucco, and concrete Especially recommended for old, dry and cracked surfaces	High elongation 100% acrylic High grade durability
DPR Optimum	Textured finish For CI systems, masonry, stucco, concrete, or interior surfaces	Higher quality 100% acrylic Very high durability Dirt Pick-up Resistance
DPR Standard	Textured finish For CI systems, masonry, stucco, concrete, or interior surfaces	Superior quality 100% acrylic High durability Dirt Pick-up Resistance
COATINGS	USE	CHARACTERISTICS
Elastomeric Coating	Non-textured elastomeric coating For stucco, renovation of CI systems, concrete, and masonry renovation. Especially recommended for buildings with existing to hairline cracks	High-build, 100% acrylic, non-textured, Elastomeric properties Over 300% elongation Excellent adhesion properties
Aquasol	Non-textured coating For stucco, masonry, concrete, and CI systems renovation and other paintable substrates	100% Acrylic non-textured coating Very high durability Self-cleaning Dirt pick up resistance
DPR Coating	Non-textured coating For stucco, masonry, concrete, and CI systems renovation and other paintable substrates	100% acrylic non-textured coating Excellent adhesion properties High durability Dirt Pick-up Resistance
PRIMERS/SEALERS	USE	CHARACTERISTICS
Primer	Acrylic primer for finishes and coatings	100% acrylic Excellent adhesion properties Improves durability of finish Eases application of finish
Clear Sealer/Matte Clear Sealer	A clear sealer over finishes, To change appearance to matte finish or low e gloss appearance	100% acrylic Non-yellowing Resistant to mildew, algae and dirt accumulation Added UV protection Protection against fading

Where To Use

	Coatings				Finishes			
	Elastomeric Coating	Aquasol	DPR Coating	Clear Sealer/ Matte Clear Sealer	E-lastic Finish	Aquasol	DPR Optimum	DPR Standard
Wall Types:								
CI Systems						X	X	X
Masonry/Concrete	X	X	X	X	X	X	X	X
Stucco	X	X	X	X	X	X	X	X
Other	X	X	X	X				
Interior	X	X	X		X	X	X	X
Recoating Textured Finishes:								
Blending Repair Work	X	X	X		X	X	X	X
Recoating to change color	X	X	X					
Performance:								
Crack Bridging	X				X			
Self-Cleaning		X						



Understanding finishing options — selecting the right finish for the job, making sure it is properly applied, and maintaining the finish for optimum performance - is the purpose of this guide.

Acrylic Technology

Acrylic polymers provide better color retention, more flexibility, better adhesion, and superior resistance to the alkalis found in cementitious and masonry substrates. This results in better looking, longer lasting, and generally tougher finish. Because acrylics are also water-based finishes, their use is much friendlier to the environment.

Parex finishes use 100% acrylic polymers.

The result is a tough, tight, moisture-resistant yet water vapor-permeable film that remains pliable and resilient. This durable building skin resists the elements yet allows the wall to breathe. Over stucco or other cement-based products, Parex primers and finishes can reduce the effects of efflorescence. Over any substrate, Parex 100% acrylic polymer-based finishes stay fresh longer and resist fading, chalking, and yellowing.

ACF (Architectural Coatings & Finishes) Assemblies

Parex offers a number of different assembly options for utilizing the various finishes and coatings offered over non-Parex substrates. Whether it be new construction or a restoration and renovation project Parex has the ACF assembly needed for the job:



ACF for Stucco

This assembly option is for projects that make use of non-Parex stucco but still want the beauty and benefits of a Parex finish.



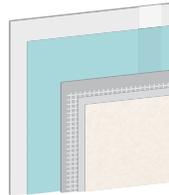
ACF for Insulated Concrete Forms (ICF)

ICF is a fantastic wall system but like any use of EPS it needs a sturdy lamina to protect it. ACF for ICF assemblies provide a strong lamina using Parex base and mesh and finish off the structure with bold yet beautiful look.



ACF for Masonry

For buildings that make use of CMU or other forms of block construction ACF Masonry is an assembly to turn dull looking block into something aesthetically pleasing.



NuTech Stucco

Cement board systems are a popular choice in climates where people want a stucco look yet budget and climate limits the ability to use true stucco. NuTech Stucco assemblies provide an option for finishing typical Direct Applied Finish Systems (DAFS) with Parex finishes and coatings to complete the project with a quality final look.

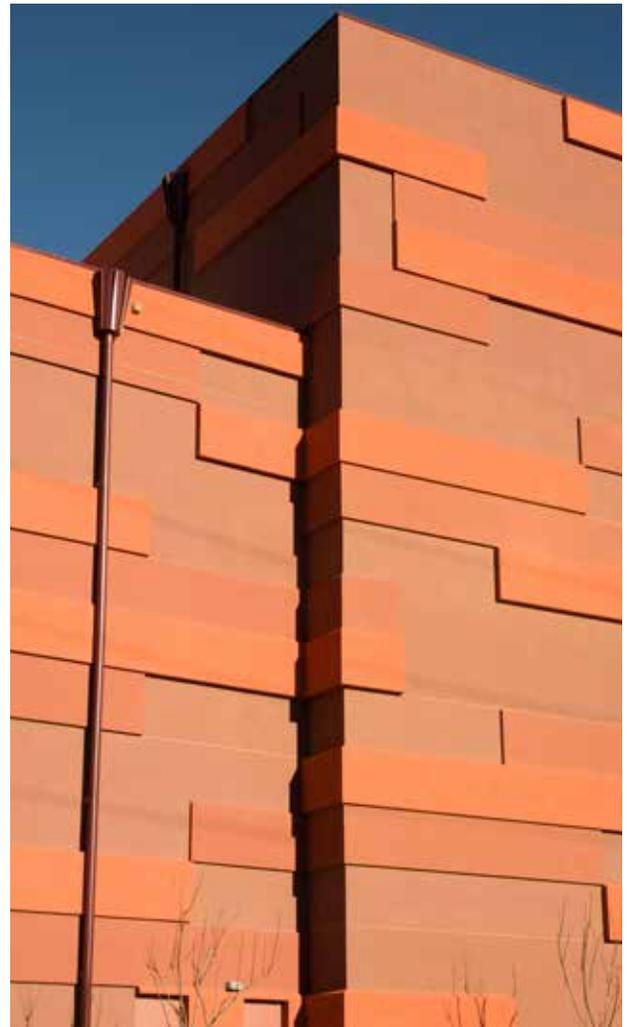


ACF for Soffits

Turn a typically aesthetically boring feature on a building into a nice finishing touch. ACF for stucco assembly turns boring soffits into something beautiful with Parex finishes and coatings.

Parex Possibilities

Parex solutions include much more than Continuous Insulation (CI). Our finishes for stucco, masonry and interior walls comprise one of the most complete finish product selections in the industry. Our color choices are unlimited, and our texture options give you maximum design flexibility. When you work with Parex, you have access to products and professionals who are a resource for technical expertise, specifications, assembly drawings, and code information that can help simplify your job. Whether your project is commercial, institutional, industrial, or residential, whether new or renovated, Parex transforms your design into reality.





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