PAREX®

210 Armourwall

Stucco Base Concentrate

DESCRIPTION:
- A fiber reinforced stucco base concentrate
- Factory prepared mixture of portland cement, fibers, and proprietary ingredients
- Specified sand is added at the job site
- Can be installed 3/8-1/2 in. (9.5-12.7mm) thick in one application
- Color: Gray

USES:
Stucco Base over:
- Concrete
- Masonry
- Metal lath

Lath is applied over:
- Appropriate water resistive barrier over continuous sheathing
- Expanded polystyrene (EPS). Per Parex Specification and Application Guide. (Not for Interior)

COMPOSITION:
- Binder: Portland cement
- Synthetic fibers
- Mineral and organic additives (add specified sand at job site)

MATERIAL STANDARDS:
Cement: ASTM C150
Lime: ASTM C206
Fibers: ASTM C1116

PROPERTIES:
Meets code criteria for exterior cementitious coating.

ICC-ES Report ESR-2564 includes 1 hour fire-resistive assemblies.

COVERAGE:
Depending on the condition of the substrate, thickness of application, and amount of sand added approximate coverages per bag are:
- at 3/8 in. (9.5mm): 75-90 ft^2 (6.97-8.36 m^2)
- at 1/2 in. (12.7mm): 60-72 ft^2 (5.57-6.69 m^2)
- Coverage may vary due to ambient temperature, surface temperature, surface porosity, mixing methods, application methods, amount of water, wall type and metal lath type. Coverage must be verified in the field using the same procedures and conditions that will be present at the project.

CONTAINER:
80 lb (36 kg) net weight in a moisture resistant bag.
- Storage: Store off ground and protect from rain and moisture
- Shelf Life: Reference Parex USA Expiration Date of Products Technical Bulletin

WORKING TIME:
Sets in 30-45 minutes after mixing, depending on conditions.

SURFACE PREPARATION:
- On masonry and concrete, apply only to surfaces that are sound, clean, dry, unpainted, and free of any residue which may affect the ability of Parex 210 Armourwall to bond to the surface.
- Solid bases shall have sufficient suction (ability to absorb water) or surface roughness or both to ensure an adequate bond for Parex 210 Armourwall.
- On lathed construction, apply to lathing installed in accordance with ASTM C1063.
- Parex 210 Armourwall requires water-resistive barrier installed and flashed in accordance with building code and to form a water-shedding surface. Stucco is not a water-resistive barrier.
- Install water-resistive barrier (type and method of application) per Parex USA Stucco Application Guide or Specifications.
- Do not apply to substrates which are frozen or contain frost or ice.
- Apply to surface prepared as for portland cement plaster.
- For additional surface preparation options, contact Parex USA Technical Support.

MIXING:
- Use clean equipment for mixing and preparation.
- Start with approximately 3 gal (11.35 L) of clean potable water. And approximately 60 lbs. (27.2 kg) of the sand. Add 1 bag of Parex 210 Armourwall. Add remaining sand along with additional water- approximately 1-3 gal (3.8-11.35 L) for workability. Total amount of sand equals 2 ½ - 3 cubic ft (200-240 lbs or 91-109 kg). Allow the material to slake then break set. If needed, add water for workability.
- Use cool, potable water; let hose run to clear it of hot water.
- Sand: Sample and test in accordance with ASTM C897 or C144, and grade within the following limits:

Test	Method	ICC AC 11 Testing Criteria	Results
Accelerated Weathering	ASTM G153	2000 Hours	No cracking, checking, crazing, erosion, or chalking.
	ASTM G155	2000 Hours	No cracking, checking, crazing, erosion, or chalking.
Flexural Strength	ASTM C348	No AC 11 Requirement	623 psi
Freeze-Thaw	ICC AC 11	10 cycles	No cracking, checking or crazing
Transverse Loads	ICC AC 11	Allowable design loads	Refer to ESR 2564
Drainage	ICC AC 11	90% Efficiency required when EPS is used	Pass. Refer to ICC-ES ER-2564 for listed assemblies
Surface Burning Characteristics	ASTM E84	Flame spread <25, Smoke Developed <450	Flame Spread: 0 Smoke Developed: 0
Fire Resistance	ASTM E119	One hour fire resistive rating	Pass. Refer to ICC-ES ESR-2564 for listed assemblies
Combustibility	ASTM E136	Noncombustible Material	Pass
Multi-Story Fire Evaluation	UBC 17-6	Required for Non-combustible Construction	Pass. Refer to ICC-ES ESR 2564 for assembly
Radiant Heat Exposure	NFPA 268	Required for Non-combustible Construction	Pass. Refer to ICC-ES ESR 2564 for assembly

** These are typical laboratory test results but do not constitute a specification.

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Retained by U.S. Standards Sieve	Percent Retained by Weight	+/- 2%
No. 4	--	0
No. 8	0	10
No. 18	10	40
No. 30	30	65
No. 50	70	90
No. 100	95	100

- Use Parex 210 Armourwall immediately after mixing.
- Do not retemper Parex 210 Armourwall.
- Parex USA Adacryl Acrylic Admix & Bonder: As an admix: Use up to 1 gal (3.8L) per bag of Parex 210 Armourwall Concentrate. After the dry components and the majority of the water has been mixed, add the acrylic admix in place of 1 gal. (3.8L) of water. Mix no longer than required to provide a uniform mixture. DO NOT OVER-MIX. Over-mixing entrains excessive amounts of air which weaken the material. Do not re-temper mixes over 20 minutes old.
- Only Parex USA approved additives may be added to this product.

NOTE: If Parex USA Adacryl is mixed into Parex 210 Armourwall and a portland cement-based stucco finish is used, then Parex USA Adacryl must be used in the portland cement-based stucco finish also. No unapproved additives are allowed.

APPLICATION:

- Read the entire label before using this product. For complete application procedures refer to ICC-ESR 2564. For more complete installation instructions, see the Parex USA Stucco Application Guide.
- Thoroughly dampen concrete and masonry substrate if necessary before applying Parex 210 Armourwall.
- Apply by hand trowel or plaster gun to a minimum 3/8 in. (9.5 mm) thickness. The maximum thickness applied in one pass should be 1/2 in. (12.7 mm).
- Level the surface directly after application or score horizontally to form a mechanical key for succeeding second coat. If applying Parex 210 Armourwall at a thickness greater than 1/2" or for large ceiling areas apply a second coat after allowing the first coat to dry.
- If additional Parex 210 Armourwall is not applied the same day, moisten the dry Parex 210 Armourwall as necessary before applying second coat.
- Keep stucco basecoat moist by fogging walls with water for the first 24-48 hours after initial hardening. Moist curing must be increased in dry weather and may be reduced in damp weather. Moist curing replaces mix water lost to evaporation and absorption. It improves hydration for strength and reduces volume-loss stresses. Insufficient moist curing can be a cause of cracking. Beyond 24 hours, additional moist and dry curing may also be needed to provide sufficient strength to the basecoat to resist the pressure of finish coat application.
- After moist curing, allow the stucco basecoat to air dry.
- For portland cement-based stucco finish, lightly moisten the surface of Parex 210 Armourwall before application.

LIMITATIONS:

- Ambient and surface temperature must be 40°F (4°C) or higher during application and drying time. Protect from freezing for a period of not less than 24 hours after set has occurred. Provide supplemental heat and protection from precipitation as needed.
- Ambient and surface temperatures must not exceed 120°F (49°C) during application and 24 hours after application.
- Avoid application in direct sunlight in hot weather. See packaging for handling precautions.
- For application to very dense or smooth concrete, contact Parex USA Technical Support for additional information.

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, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

Level, Primer or Finish Coat	Min. Moist Cure (hours)	Min. Additional Air Dry after Moist Cure
Parex USA Stucco Level Coat with or without Fiberglass Reinforcing Mesh.	24	1 day
Parex USA Portland Cement-Based Stucco Finish *Dampen surface immediately prior to portland cement-based stucco finish application. Primer is never allowed behind portland cement-based stucco finish.	24	1 day
Parex USA Acrylic Finish with Parex USA Primer *Finish may be applied as soon as primer is dry.	24	1 day
Parex USA Acrylic Finish without primer.	48	1 day
Parex USA Elastomeric Finish with Parex USA Primer.	48	3 days
Parex USA Elastomeric Finish without primer.	48	5 days

*Longer moist cure and extended dry times may give better results.

PAREXUSA

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