FlexStone®



Synthetic Stucco Textures



Description

FlexStone Inc. Synthetic Stucco is a durable, high quality. integrally colored. copolymer textured finish offered in acrylic unique textures. It is formulated to ensure a superior finish that resists water, mold and dirt accumulation. Drying of the finish is dependent o n the air temperature, elative humidity and coating thickness.

Typical Uses

FlexStone Inc. Synthetic Stucco is specifically designed to provide texture and color over Portland cement plaster, cast-on-site, pre-cast concrete and concrete masonry units.



Features & Benefits

- Predominately acrylic resins used as binder with expanded glass beads
- · Minimal ageing effect
- 5°C temperature variation observed amongst the interior & exterior area 100% water proof
- Made from recycled material (80% by vol.)
- · Resists water, mold and dirt accumulation
- Can earn Leadership in Energy & Environmental Design (LEED) points

FlexStone Synthetic Stucco Data Sheet

DESCRIPTION: Flex Stone StuccoTM Synthetic Stucco is a durable, high quality, integrally colored, acryliccopolymer textured finish offered in four unique textures. It is formulated to ensure a superior finish that resists water, mold and dirt accumulation. Drying of the finish is dependent on the air temperature, relativehumidity and coating thickness.

40 Fine: Can be troweled and floated, in a two-coat application, to a flat finish

with a fine aggregate texture.

20/30: Can be troweled and floated to a medium sand finish or sprayed for

a fine spray finish. Both finishesare two-coat applications.

16/20: Can be troweled and floated to a coarse sand finish with one

application or sprayed for a coarsespray finish in a two-coat

application.

Brocade: Can be troweled and floated to a classic brocade texture in a one-coat

application over properly prepared basecoat.

TYPICAL USES: Flex Stone Stucco Synthetic Stucco is specifically designed to provide texture and color overPortland cement plaster, cast-on site, pre-cast concrete and concrete masonry units. It is not for use in EIFS.

FEATURES & BENEFITS:

- Resists water, mold and dirt accumulation
- Can earn Leadership in Energy & Environmental Design (LEED) points

	Result
40 Fine	160 sqft (14.9 sm)
/30 /20 145 sqft (13.5 sm) Brocade	150 sqft (13.9 sm)
	100 sqft (9.3 sm)
	145 sqft (13.5 sm)

PROPERTIES:	Test	Re	sult
Taber Abrasion Resistanc (cycles to failure) H-22 Wheel; 500 gram weight	e ASTM C-4060 Mod	dified 3900 –	9500
	ASTM D-522 Method B	73.4°F(23° C)	32°F(0° C)
1.9 mm coating thickness		3 in	3 in
1.4 mm coating thickness		2 in	3 in
thickness		2 III	<i>J</i> III
Water Vapor Transmissio	on, ASTM E-96	25 -	- 55
1			
Accelerated Weathering Weatherometer, Test Met			e
(depending on the finish) Accelerated Weathering Weatherometer, Test Met	hod 1, BH apparatus for Erosion ASTM D-6	2000 hrs exposure	effect)
(depending on the finish) Accelerated Weathering	hod 1, BH apparatus for	2000 hrs exposure 522-93 10 (no 561-93 10 (no	



After 1000 hrs exposure	Erosion	ASTM D-622-93	10 (no effect)
	Cracking	ASTM D-661-93	10 (no effect)
	Blistering	ASTM D-714	10 (no effect)
	Rusting	ASTM D-610	10 (no effect)
	Chalking	ASTM D-4214,	10 (no effect)
	_	Method B	

SURFACE PREPARATION: Protect work from rain for at least 24 hours. Surfaces must not be below 40° F (4.4° C) and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds. Primer is recommended for all finishes, more so for the 16/20 and Brocade finishes as these are one coat applications. Primer offers additional coverage, and helps ensure the original application surface does not show through.

Stucco: Finishes may be applied directly to the properly cured and prepared brown coat. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application. Primer may be applied to reduce wall suction.

Concrete: Shall have cured a minimum of 28 days prior to application of the finishes. If form release agents or curing compounds are present on the concrete surface, the surface shall be thoroughly washed with muriatic acid and flushed to remove residual acid. All projections shall be removed and small voids filled and primer applied to the surface prior to finish.

Masonry: The masonry surface, with joints struck flush, shall be "skim coated" to produce a smooth, level surface.

MIXING INSTRUCTIONS: Thoroughly mix Flex Stone Stucco Synthetic Stucco finish with a Jiffler-type mixer until a uniform workable consistency is attained.

APPLICATION INSTRUCTIONS: Air and surface temperature for application of finishes must be 40° F (4.4° C) or higher and must remain so for a minimum of 24 hours. Temporary protection shall be provided at all times until the primer, finish and permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

Using a stainless steel trowel, apply and level a coat to a uniform thickness - approximately 1-1/2 times the largest aggregate. Maintain wet edge for uniformity of color and texture. Then, pull across the rough application coat using a horizontal trowel motion and develop a uniform thickness no greater than the largest aggregate of the material. The textures are achieved by uniform hand motion and/or type of tool used. DO NOT apply Synthetic Stucco where caulking is applied. (Caulking should be applied to primed base coat.) Clean tools with water while the finishes are still wet.

NOT RECOMMENDED FOR:

- Finishes must not be used on exposed exterior horizontal surfaces. Minimum slope is 6 in 12 which is 27°. Maximum length of slope is (12 in) 305 mm. Primer is recommended for all finishes, more so for the 16/20 and Brocade finishes as these are one coat applications. Primer offers additional coverage, and helps ensure the original application surface does not show through.
- Flex Stone Stucco Synthetic Stucco finishes must never be used alone in an exterior application over any type of gypsum board, foam plastic or other insulation board.
- Finishes shall not be returned into any sealant joint. Instead, a coat of colored primer or paint should be used on any surface to receive sealant. Contact sealant manufacturer for primer requirements.
- Not suitable for application in an EIFS system.

MAINTENANCE: All Flex Stone Stucco Synthetic Stucco finishes are designed to require low maintenance. However, as with all building products, some cleaning may be required.

HOW SUPPLIED: Flex Stone Stucco Synthetic Stucco is suppled in 5-gallon (18.9 l) pails.

STORAGE: Finishes must be stored at 40° F (4.4° C) or above in tightly sealed containers out of direct sunlight.





SAFETY PRECAUTIONS: Health Considerations: Consult the FlexStone Safety Data Sheets (SDS)

Chemical systems require the use of proper safety equipment and procedures. Please follow the Flex Stone product SDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of FlexStone Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

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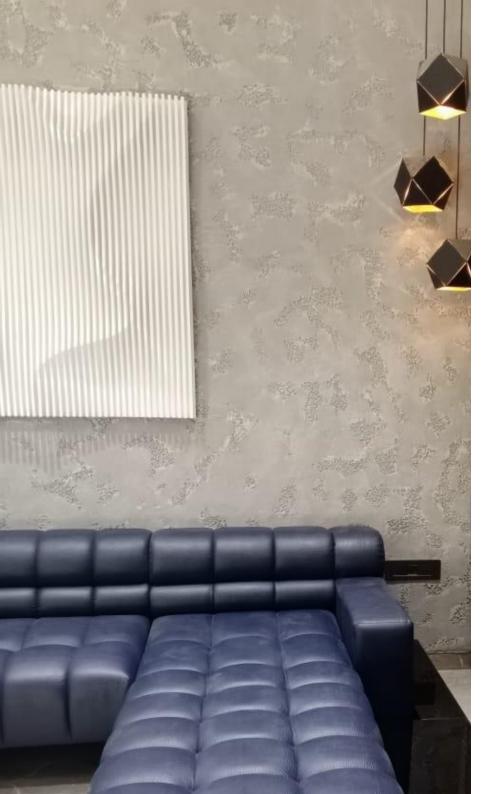




SPA Texture

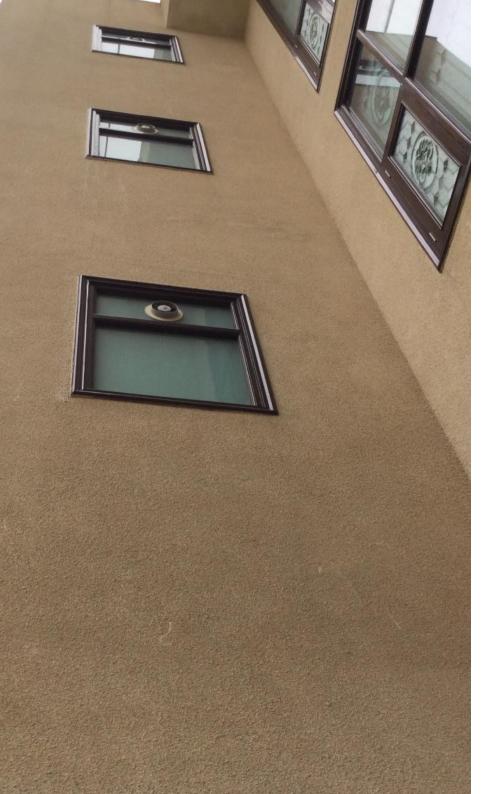






Dual Tone Texture





Glass Aggregate



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