

**FlexStone®**



**Synthetic Stucco Textures**

**FlexStone®**





## Description

**FlexStone Inc. Synthetic Stucco is a durable, high quality, integrally colored, acrylic copolymer textured finish offered in 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, relative 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 Stucco™ 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

PROPERTIES:	Result	
Coverage Rate per 5-Gallon Pail	40 Fine	160 sqft (14.9 sm)
20/30		150 sqft (13.9 sm)
16/20	145 sqft (13.5 sm)	
	Brocade	100 sqft (9.3 sm)

TYPICAL PHYSICAL PROPERTIES:	Test	Result	
Taber Abrasion Resistance (cycles to failure) H-22 Wheel; 500 gram weight	ASTM C-4060 Modified	3900 – 9500	
Mandrel Bend 1.9 mm coating thickness	ASTM D-522 Method B	73.4°F(23° C)	32°F(0° C)
1.4 mm coating thickness		3 in	3 in
Water Vapor Transmission, perms (depending on the finish)	ASTM E-96	25 – 55	
Accelerated Weathering Weatherometer, Test Method 1, BH apparatus for 2000 hrs exposure	ASTM G-26 Xenon Arc		
After 2000 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)



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, Method B	10 (no effect)

**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 Jiffly-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 supplied 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.

Because of numerous factors affecting results, FlexStone makes no warranty of any kind, express or implied, other than that the material conforms to its applicable current Standard Specifications. FlexStone here by disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of FlexStone for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

©2022 FlexStone All rights reserved.



# SPA Texture









# Dual Tone Texture







# Glass Aggregate











**Wishing You Great Surfaces!**

**FlexStone®**





# FlexStone Inc.

[www.flexstoneinc.com](http://www.flexstoneinc.com)

