



Stucco Finish

Instructions Technical Data

SAFETY FIRST KEEP OUT OF REACH OF CHILDREN. AVOID EYE CONTACT. SEEK IMMEDIATE MEDICAL ATTENTION IF INGESTED OR EXPOSED TO EYES. AVOID PROLONGED EXPOSURE TO SKIN. WEAR SAFETY GOGGLES AND GLOVES WHEN WORKING WITH PLASTER. WEAR OSHA APPROVED RESPIRATOR WHEN WORKING WITH DRY MIXES OR WHEN SANDING PLASTER. FOR MSDS (MATERIAL SAFETY DATA SHEET), VISIT WWW.5STARFINISHES.CA

GENERAL

Our Stucco Finish plaster is developed with the latest in admixture technologies all blended with high quality Portland cement, lime, VCAS Pozzolan, marble powder and graded marble grains. This line of plaster comes in two different grades, fine and coarse in a white base that can be tinted. These plasters can be used on interiors as well as exteriors. Stucco should be applied in a minimum of 2 coats over our exterior supplied quartz coarse stone primer. The coarse grade of plaster is used if you want a more robust finish, with more pitting and tears due to the large size of the grains. The larger grains of marble, also create a higher build, and allow for heavier coats that will cover more imperfections, heavy texture coats, or float finishes that pull the grains and create swirl looks etc. The fine version is more refined, and will allow for a more compact, polished and closed pore look. The smaller grains create a slightly thinner profile, will help to create tighter skip trowel finishes, old world looks, smooth or sponge finishes.

Our pre-mixed dry powder is formulated for superior adhesion, workability and durability. We have ensured that the plaster easily mixes and wets out thoroughly leaving a smooth lump free plaster. A wide range of interior and exterior textures can be achieved with our Stucco Finish plaster; including the natural appearance of heritage lime finishes, and textured designer wall finishes, commonly asked for in the industry.

COVERAGE

Depending on surface conditions, a 20 kg bag of Stucco Finish will cover between 50 to 80 sq. ft. with two coats (coarse) or a 20 kg bag of Stucco Finish will cover 70-100 with two coats (Fine).

APPLICATION

Use a stainless steel trowel or a spatula to apply the two coats of Stucco Finish

SUITABLE APPLICABLE SURFACES

Apply Stucco Finish over substrates that are clean, cohesive, free of contamination and as follows:

Gypsum Drywall: (Interiors Only) Drywall should be taped and smoothed to a level 4 finish. Use our exterior Quartz coarse primer watered down 30% over new drywall to help seal and consolidate the surface. Then apply a second layer of Quartz primer without adding any extra water to provide a surface that will provide a permanent bond to our plasters and perfect junction between drywall and plaster. Standard PVA primer can also be used if a painting company is coming in before you. You can apply only one coat of quartz primer. Let dry at least 1 hour prior to application or until dry to the touch.

Existing painted substrates: Always prime first with a recommended primer. If the surface is oil based or glossy, use a high adherence primer for bonding to difficult surfaces. Then apply one coat of our quartz primer prior to application and let dry at least 1 hour or until dry to touch.

Existing texture It is recommended to remove the texture via sanding or grinding, or to cover it up first with drywall compound etc to ensure a smooth and problem free substrate. Then prime with our quartz primer with 30% water, and one coat of quartz without adding extra water. Under certain circumstances you could cover existing texture with our coarse concrete-look and or 2+ coats of our basecoat plaster.

Exterior application: If the surface is previously painted, acrylic stucco, California stucco etc, then check the integrity of the surface, pressure wash and scrape clean any loose areas. If there is mold or mildew remove with appropriate cleaners and apply a stain blocking primer. Then apply one coat of our exterior primer prior to applying Stucco Finish. If the surface is new brown coat, ensure it has dried for at least 30 days, then apply one coat of our exterior primer diluted with 50-100% water prior to applying Stucco Finish, and then a second coat undiluted prior to application. After a min of 1 week dry time, Apply two coats of our penetrating natural look sealer to ensure optimum water repellency and exterior durability. Protect from rain and runoff water prior to sealing as early stains and patina could occur. The walls can be lightly misted with water every day or other day to help with carbonation prior to sealing.

Preparatory work: Mask and protect adjacent surfaces and remove any dust from surface, especially after sanding. Mask about 1-2 mm from adjacent surface or trim to allow for thickness of plaster. Always protect floors and surrounding areas as plaster does drop and the sand will scratch any floors etc as you walk.

PRODUCT PREPARATION All surfaces must have even absorption rates for the final appearance to look uniform. It is crucial to ensure the correct primer is used and to not try and cover over drywall or cement stucco with our product that has not been primed.

Never use more than one wet mix for an entire wall surface, as the color and amounts of water used for the mix will not match perfectly. Never mix water into the plaster if its thicker during application as this will cause the plaster to change color due to a higher hydration rate. Doing this will cause the material to dry to a different color. You must mix only what is needed and mix the entire material using some extra water at the start to ensure the mix will be wet enough as it starts to set later in the bucket. Never spray water over the setting product as your working on the wall, as this also will cause staining and lighter and darker areas that are inconsistent with the natural look of the plaster. It is not bad practice to spray with water however, and this technique can be used if the sample board reflects this finish prior to install.

This plaster will slowly set in the bucket after mixing, and when it becomes thicker during application, you can mix it again with a drill until it becomes workable again; however, never add more water to the mix. Lime is thixotropic meaning that under shear it tends more towards liquid, and will only thicken after being allowed to rest. Cement also will liquify considerably under shear, and will help keep the open time of your bucket extended.

PRODUCT APPLICATION

First Coat: Stucco Finish should be applied at grain size, covering the entire wall. Allow at least 12 hours for the first coat to dry. All areas should be one color with no darker sections that are wet to the touch.

Second Coat: Apply the second coat working in small sections, either right to left for left handed people, or left to right for right handed, so that you are always working into a wet edge. Apply the plaster as per the system developed in your sample board, and as the plaster dries, you can lightly sponge it, compress with the edge of the plaster trowel, and or use the face of the trowel for a different style of compression, creating more higher and lower spots of varying colors. Be careful using the face of the trowel as darkening of the plaster occurs very quickly. Stucco Finish is a natural plaster and will dry with subtle light and dark sections depending on the application technique.

Polished finish: On the last coat as the plaster dries to a clay like dryness, burnish plaster with edge of trowel obtaining a satin finish with our fine finish, or a low lustre compacted finish with our coarse.

Matte finish: As the final coat is drying, you can use a sponge or sponge trowel to lightly compress the finish similar to acrylic stucco, leaving a more open grain finish. Very lightly compress this finish after with a flexible steel or plastic trowel to press the grain lightly into the surface.

Swirl finish: Very soon after applying, use a stucco plastic or neoprene float and in circular motions swirl the float over the plaster causing the grains to move and make circular cuts in the plaster. You can leave it like this or lightly compress after.

Old world finish: Apply the second coat leaving certain areas open and not covering the base coat entirely. At the same time, you can also come back over this coat and leave some opening again over the new plaster, creating a double layer of rips. Stamp extra plaster onto the walls with the face of trowel covered in a thin layer of plaster, and finally use a rigatto tool to drag and create cuts and swirls in the final finish. As the final layers are drying, compress with the face of the trowel to darken raised edges and create the final finish for your walls. The more wet the plaster is and the more you rub with the face of the trowel, the darker these areas will become.

Top coats: If desired, plaster can be finished with a sealer, lime wash or glaze on exteriors, and with wax or pearl paints on interiors. Please wait a min of 48 hrs for interiors prior to sealing, and 1 week for exteriors or areas of high humidity such as a bathroom.

Always apply your glazes first, then two coats of sealer after these have dried. If using lime wash, only apply lime wash and no sealers for a finish that will patina over time.

Colorants: Plaster can be tinted to almost any color with water based or dry pigments. Multiple colors can be applied simultaneously for more creative finishes.

Delivery, Storage and Handling: Keep materials away from direct sunlight. Store them in original, unopened packages in a dry, dark location at temperatures between 45 and 95 degrees F. Always wear OSHA-compliant eye protection. Wear a respirator to mix, sand or scrape the product. Work only in well ventilated areas. Avoid prolonged skin contact. Avoid working with the material in temperatures below 41 degrees F or above 96 degrees F. Keep away from children. Do not use products older than 3 years. Always test an older product before use to ensure its quality. Read the entire MSDS and product labels.

Cleaning: Use a dry cloth to remove dust and loose dirt from surfaces, then wipe them with a clean damp cloth as needed. Mild detergents or proprietary cleaning agents may also be used. Scrub gently or use a low-pressure water stream if necessary. Solvents such as acetone or mineral spirits can also be used, provided proper safety procedures are observed. Clean vertical surfaces moving upward from the bottom. Use a damp rag followed by a dry rag to remove any remaining cleaning agents. Find a small, inconspicuous portion of the surface to test cleaning products and methods before applying them to a wider area. Follow the manufacturer's package label instructions.

Do not use acidic cleaners, bleach or CLR style cleaning agents, as they will damage the plaster.

Blemishes: You can sand with high grit sandpaper or steel wool to try and remove any small stain. Find a small, inconspicuous portion of the surface to test these techniques. Reapply sealer and/or wax to sanded areas as necessary.

Mixing: Our dry mix plaster can be mixed to different consistencies depending on the finish you are applying. In the case of stamped finishes you would want the mix to be more stiff, and with smooth polished finishes the mix should be more wet and thin. The final ratio of water should be around 40% of the dry mix, equal to around 8 liters of water per 20kg of product. Start slow and never add more water than you need at the start, as the mix can become too wet. It is best to mix your plaster first and then add your liquid colorant. If your using our dry then first add them to 1/3 of your mix water and mix with a drill for 1 minute to ensure it is mixed entirely. It is possible to strain the water through a fabric paint strainer as well prior to adding plaster to the water.

When mixing, always have some water in the bottom of the bucket first, as this helps in mixing and not getting dry plaster stuck to the bottom of the bucket. It is best to mix the plaster in two buckets broken up first and then combine after mixing and do a final mix so the color is mixed thoroughly. Try not to use the plaster immediately and allow the lime to slack for at least 30 min. Please remix one more time prior to application. You should use a high speed drill, such as a Makita hammer drill that has a max RPM of 2000. If you use a mixing spade to get the initial mix together, then always use a higher rpm hammer drill after as this faster speeds allow for a vortex to be created and ensures a uniform mix. The plaster will not mix entirely without a higher RPM drill.

Pot life: This product will set by the following morning and cannot be used in batches larger than what can be used for each wall.

To order materials, find more tech information and install ideas please visit WWW.5STARFINISHES.CA.
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