



Spray Application Guidelines

The CARRARA finish should be mixed for 1 to 1-1/2 minutes with a Goldblatt Jiffler mixer powered by a half-inch drill, 400-500 RPM, just prior to application. Mix all pails the same length of time. **DO NOT OVERMIX.** Box product from different batch runs to ensure product consistency & color uniformity between batches.

It is essential that the CARRARA finish is applied to a clean, smooth, flat and level substrate. A spray finish will not hide surface imperfections. It may be necessary to two-coat or skim out the base coat to insure the above.

Apply 2-even coats of the specified color coordinated Carrara Primer base coat by brush, paint roller or spray equipment. Allow to dry at least four (4) hours or until completely dry.

Air and surface temperature for application of CARRARA must be 4°C (40°F) or higher and must remain so for a minimum of 24 hours.

With the appropriate spray equipment, spray-apply the CARRARA finish to the primed base coat. **Spray left to right, then double back with an up and down motion.** The spray unit, either hopper or wand, *must* stay perpendicular to the wall surface at all times and never be closer than two (2) feet to the wall surface.

Whenever possible, utilize lift equipment that will allow a free range of motion for the sprayer and eliminate scaffold lines, i.e.: scissor lift or cherry picker equipment. Scaffold should be placed away from the wall and outriggers can be used to provide free range of movement.

Optimum coverage for Carrara is 11.6- m² (125-sq.ft.) per pail. Measure out the area of the wall to be sprayed. Divide by 125 to get the number of pails you should use. Example: if the surface is 186 m² (2,000 F²), it should take (16) 5-gal pails to cover this area. The first pass over the 186 m² (2,000F²) will take 8 pails. The second coat, which is sprayed immediately over the first, should also take 8 pails.

Coverage should not exceed 16-m² (175 – sq.ft.) per pail. Greater coverage rates will result in background show through, mottling and inconsistent appearance.

IMPORTANT: Carrara Must Never Be Applied Greater Than 3- mm (1.8") Thick in a Single Coat. Minimum Coverage is 11.6-m² (125 sq. ft. per pail). If Applied Greater Than 3 mm (1/8"), the Carrara Finish May Form Cracks or Blisters Resulting in Localized Delamination.

Regulating the air pressure beforehand will achieve different textures. The higher the air pressures the finer the texture. By decreasing the air pressure, the texture will be heavier. Be sure to keep air pressure consistent throughout the project and insure each mechanic is using the same type equipment, pressure level, and is spraying at an equal distance from the wall.

Enough material should be ordered to complete the entire project so it can be produced from the same production batch. Because of the natural aggregates used in the finish, slight color variations can occur from batch to batch. When project size requires more than one production batch of CARRARA, be sure adjacent wall surfaces are sprayed from the same batch,

or with even larger projects, elevations should be sprayed with the same batch. All wall sections must be sprayed with the final pass in the same direction. Either left to right or up and down. This is essential in panel plants as well. The panels should be laid out in the same position, as they would be installed on the building so the finish can be applied in the same direction.

Allow the CARRARA finish to thoroughly dry for a minimum of 24 hours under average drying conditions (21° C, 70° F at 55% R.H.). As an option for enhanced dirt repellence, apply a uniform coat of **MicroSeal** utilizing airless spray equipment or roller. Recommended coverage over **MicroSeal** is 23-28 m² (250-300 ft²) per gallon. **MicroSeal** will appear milky, but will dry clear. Insure application is uniform without runs or excessive build up. Refer to technical data & application instructions.

Color Splash: If a desired color necessitates spraying a combination of two or more CARRARA colors, the predominant background color should be applied first. The second CARRARA color (color splash) may be spray-applied while the background color coat is still wet or wait until the background coat has dried. The air pressure should be decreased when applying the color splash, to reduce the possibility of masking or hiding the initial background coat. This second coat may be a light "stipple" coat that could also be "knocked-down" for greater color emphasis. Upon drying, apply a thin coat of **MicroSeal** over the stucco finish if enhanced dirt repellence is desired. **MicroSeal** provides a semi-gloss clear glaze finish. Follow the specific application instructions above.

HELPFUL HINTS:

- No two applicators will have the identical spraying technique; therefore, best results will be obtained if one applicator can spray the entire project or elevation.
 - The air compressor should maintain a constant air pressure without surging. **Surging will cause texture variations.**
 - When spraying, do not position the hopper gun or spray wand closer than 0.6 m (2 ft) from the wall surface and keep it perpendicular to the surface.
 - The individual spraying should focus attention on the area of contact point of approximately 0.2 m (8") in diameter where the material spray is highly concentrated. Follow this contact point closely with your eye when spraying. In doing so, the wall will be uniformly coated without a blotchy appearance.
 - Avoid spraying on windy days or airborne CARRARA particles will mist unprotected areas.
- Also, on windy days there is a tendency to position the hopper gun or spray wand closer than 0.6 m (2 ft) which causes a milking, blotchy appearance. These areas will look different when compared to areas sprayed on calm days.
- Spray in the shade whenever possible. When spraying on areas exposed to direct sunlight, have someone shade the area as you spray or work with the sun at a low angle or behind you.
 - The orifice plate should be cleaned occasionally. Excess material obstructing the orifice place can change the texture delivered to the surface.
 - If a coat of MicroSeal is applied over the CARRARA finish, a longer drying period is required than for other standard Texture finishes. Panel plants should not cover the panels with plastic until panels are fully dry. Field contractors must protect work if rain is anticipated within 48 hours-24-hours for CARRARA and 24-hours for MicroSeal.
- Spray machines, utilizing a stator/rotor design, which forces the material into the spray hose may result in color inconsistency, hose packs, and product damage. An economical and approved spray unit is a Hopper Gun. Hopper guns are gravity fed and do not cause product damage.
 - CARRARA finishes are made of marble and quartz aggregates encased in a tinted 100% acrylic binder. Because the aggregates absorb tint differentially, there may be some color variance from batch to batch. Always Box product from different Batch runs.
 - Coverage rates will vary depending on the substrate, thickness of the application, and the skill of the applicator.
 - Do not spray CARRARA on surfaces that will receive sealant. These surfaces shall be coated with color coordinated Carrara Color Primer.

Disclaimer

Information contained in this specification conforms to standard detail and product recommendations for the installation of **Carrara** products as of the date of publication of this document and is presented in good faith. Global Coatings, Inc. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To insure that you are using the latest, most complete information, contact Global Coatings, Inc. at:

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