



Microcement Synergy

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 **Microcement Synergy** plaster is developed with the latest in polymer admixture technologies all blended with **high quality white cement, marble flour** and advanced VAE Copolymers. This line of plaster comes in a white, dark grey and light grey **topcoat** grade that are useful in creating extremely smooth more mottled finishes. The light and dark gray colors are meant to mimic the **natural look of concrete** and a white base that can be colored with our powder tints.

This product is designed to be applied over our Microcement wall or floor system as a last layer to provide seamless finishes that look more like venetian plaster, are waterproof and less porous increasing durability, beauty and make the sealing process easier. Previously the floor and wall systems were separate but with Synergy, now all the surfaces from floors walls to counters etc can all blend together for a perfect monolithic effect. Microcement synergy is based on the latest technology and comes as a two component wet and dry component a and b, that resists changing color when wet and is many times more waterproof unsealed than any of our previous offerings.

Microcement Synergy can apply over only one topcoat layers of wall or floor Microcement, or over two layers. This would result in either a standard four coat or new five coat system depending on the effect and quality of finish you wish to achieve.

COVERAGE

Depending on surface conditions, 20kg of Microcement Synergy will cover 600 sq ft one coat.

APPLICATION

Use only a medium or small plastic trowel to apply product unless you decide to use a steel trowel for more effect. The product should be mixed to the consistency or thin venetian plaster for wall surfaces, and to a pourable consistency for floors.

SUITABLE APPLICABLE SURFACES

Only apply Microcement Synergy to our Microcement floor topcoats or wall topcoats. Never apply over our basecoats and always apply at least one layer of topcoat prior to applying Synergy. For best results apply two layers of topcoat followed by a final very thin layer of Synergy.

PRODUCT PREPARATION

Ensure the Microcement wall or floor products have dried a min of 8 hrs prior to applying Synergy.

MIXING

Microcement Synergy comes in two components, one will be a wet mix bucket containing your mineral charges and polymers, tints etc, and the second is a dry component containing your cementitious components. Mix the two together and blend at high speed with a performance plaster drill or hammer drill at a min speed of 1800 rpm with a mixing spade. Always mix any tints with enough water to dilute and then add to the wet portion of Synergy before adding the dry component. If you add the dry along with the tint you can get streaking and tint burst.

For 20kg pale used for floors or walls add between 1600ml-2200ml of water to create a more fluid pourable liquid that can easily be worked into the microcement floor or wall as a thin seamless coating. Adjust water content as required based on substrate absorption etc.

PRODUCT APPLICATION

Apply Synergy using a 10 or 13mm non shed roller sleeve and then trowel it out smooth and tight with a plastic trowel or steel for more mottling and work it into the surface, leaving very little on the surface. You can apply it very thin revealing the topcoat beneath or a little thicker creating a more even surface look. You can smooth and work the product into all the pores to create a compact smooth burnished surface. Due to this product having no grain or aggregate it is much easier to joint together and is not going to form large overlapping dry lines the way our other topcoats will. On floors you can simply pour the product out on to the floor and spread it with a trowel working it tightly into the pores of the microcement floor topcoat fine.

TOP COATS: The dried finish can be sealed only with topical sealers, either one or two component. We recommend using our two-component water-based polyurethane, or a single coat of our high wear polyurethane. If the area in question is strictly a decorative interior wall, then wax, concrete stains or glaze sealers can be an option.

General surface walls, hood ranges seal with two layers undiluted poly seal

Countertops apply two layers of Poly wb followed by one layer of Hi wear

Showers seal with two undiluted layers of Poly wb followed by one layer of Hi wear.

Floors seal with two undiluted poly seal followed by two layers of poly wb semi gloss.

Extra Info: Polyseal can be coated over anytime and can be applied prior to your topcoats without worrying about when to apply the next layer. The Poly WB however has a recoat window max of 24 hours, so it would be advisable to coat the Microcement in the afternoon and then the following morning so you stay well within the range. If the first layer of Poly WB has dried longer than 24 hours, you must

abrade and sand the surface to create a profile for the new sealer to adhere. The most natural look is achieved with Polyseal and Poly WB which will not darken the color of the Microcement to any major extent.

COLORANTS: Plaster can be tinted with our line of dry pigments. Multiple colors can be applied simultaneously for more creative finishes. This product is compatible with paint tints.

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.

POT LIFE: This product will set and has a pot life of roughly 180-360 minutes depending on water temperature, exterior conditions etc.

To order materials, find more tech information and install ideas please visit WWW.5STARFINISHES.CA.
5 Star Finishes Ltd 200 4170 Still Creek Dr, Burnaby, BC V5C6C6
778 682 4287 info@5starfinishes.ca

Made in Canada



©MMXIX, 5 Star Finishes Ltd™