

MASTER OF PLASTER TECHNICAL DATA SHEETS: RESTORATION PLASTER

Master of Plaster Restoration Plaster is a ready-mixed formula specifically designed for re-surfacing, restoring, and patching existing plaster surfaces; without the need for elaborate surface preparation or bonding agents. Used extensively in the Preservation and Historic Restoration fields, *MOP* Restoration plaster is the only slaked-lime material formulated specifically for use in repairing and preserving Historic plaster interiors. The material is most well known for its ease of use and its ability to maintain and “match” the existing historic fabric.

Master of Plaster Restoration Plaster can also be used to skimcoat sheetrock, rock lath, drywall, blueboard, or any painted surfaces in new and existing construction.

Preparation:

Material should be applied to surfaces that are clean and free of dust, dirt, and oils. If material is being applied to new sheetrock, blueboard, or rock lath all joints must be taped using self adhesive mesh tape. It is best to fill tapered joints with basecoat to level. Mesh tape can either be bedded in wet material or applied to surface after it has dried. Sink all nail or screw heads and cover with a small square of mesh tape.

If material is being applied to existing painted plaster surfaces, remove any loose or spalling paint. Surfaces should be clean and free of dust, dirt, and oils. Test for calcimine and remove if any is found. Large cracks should be covered with mesh tape.

Extensive “network” or “mapline” cracking should be covered with wider mesh tape, available in 36” wide rolls. Loose plaster should be removed and patched with structolite or comparable material or reattached using screws and plaster washers.

Patch any large holes or voids in plaster using structolite or perlite, level to existing finished surface. Depending upon depth of hole, the scratch and brown coats may need to be re-built. If unsure of degrees of repair needed, contact our technical department for specific guidance. If large voids are filled, some minor shrink cracking may occur. Allow to dry completely and refill flush with surface. Tape edge of patch with self-adhesive mesh tape. Make sure tape covers both the patch and the existing plaster surfaces. Skim entire wall and ceiling surfaces, including patch, using *MOP* basecoat.



Application:

Field of Application: Because of *Master of Plaster's* excellent adhering properties and unique formulation that allows for direct application rendering bonding agents unnecessary, it is an excellent material for use in multiple interior application situations:

- *Sound Existing Plaster*
- *Sound Existing Painted surfaces*
- *Cracked and Spauling Plaster Interior Surfaces*
- *Restoration/problem areas/failing plaster*
- *New substrates: drywall, sheetrock, rock lath, blueboard*
- *Interiors with fiberglass mesh*

Use directly from container. Contents may have settled during shipping and lag time, thus mixing shortly with a drill motor and mixing paddle ensures consistency of material. Otherwise, it is not necessary to mix or add water. Material is best applied using a hawk and standard size 3" x 10" stainless steel finishing trowel. Master of Plaster basecoat is self-leveling. Apply basecoat to all surfaces in a thin layer application. As material starts to set (approx. 15 to 20 minutes) go back over work and trowel as smooth as possible (some ridges and trowel marks will remain). Allow to set 4 - 5 hours, overnight is recommended.

When basecoat has dried, apply second coat of basecoat in a thin depth and smooth fashion. As material starts to set (approx. 10 to 15 minutes) using a small spray bottle lightly spray area with water and smooth removing all trowel marks and blemishes. Since MOP feathers out and blends easily, it is possible to work smaller areas rather than having to do one large area at a time. Just keep the edges damp and the material will all blend together. MOP is a very forgiving system, if an area gets too dry or you did not get all of the trowel marks out, just re-wet and trowel until the desired effect is achieved.

Two coats of MOP basecoat will produce a smooth dead flat finish with a slight tooth. This is a finish suitable for many older residential structures where oftentimes the finish coat was left off allowing for better suction for paint or was left to be papered.

If a smoother more polished finish is desired, apply a coat of MOP finishcoat. After the second basecoat has dried apply the finish slightly thinner than the second coat application of the Base - troweling off excess material as applying. Again working in smaller areas (4 or 5 square feet) keep working the finish removing all trowel marks and blemishes, and move on to the next area. As one area starts to dry, lightly spray with the mister and re-trowel. As you re-trowel the finish will become smoother and produce a higher sheen. It is possible to go from a low luster to a mirror finish simply by troweling. The more you work the wall or ceiling with a trowel the glossier it will become.



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MASTER OF PLASTER FINISHING

Coverage:

Base coat: 200 – 240 sq. ft. per 5 gallon pail.

Finish coat: 425 – 475 sq. ft. per 5 gallon pail.

Master of Plaster is meant to be applied in subsequent thin coat applications. Two coats of basecoat and one coat of finish should not be much thicker than 1/16th of an inch.

When applied thin - the higher coverage will be achieved. Since “Master of Plaster” is applied in thin layers there is no need to worry about losing detail on cornices and casework.

Drying Time:

For best results, 4 to 6 hours drying time at temperatures above 50 degrees is recommended between coats. It is best to allow up to a full day’s drying time but the timing depends upon humidity levels and temperatures. A hot, dry heat will speed up the drying time while a cold, damp environment will slow down the process. Always inspect the entire wall to ensure a complete cure.

Textures and Finishes:

Master of Plaster was specifically designed to produce a smooth, hard, polished surface. Variations in finishes and textures are, however, only as limited as your imagination.

In addition to the more traditional splatterdash and travertine finishes, it is also suitable to complete sgraffito, impressed plaster, and colored plaster as well as glazes and washes. Virtually any finish mastered with traditional plaster can be achieved using Master of Plaster Finishing Systems.

Primer:

When Priming a Master of Plaster wall or ceiling to be painted, always use an alkaloid based Primer. This oil based primer should be used over existing and new plaster in order to ensure the paints ability to maintain its hold on the surface. If a water based primer is used the water will be sucked in by the plaster. Since the plaster “breathes” with its surrounding environment, once the humidity level changes the water will be sucked back out into the surrounding atmosphere causing the paint to peel and blister along with the moisture.

Painting and Decorating:



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It is recommended that Master of Plaster finishes be allowed to cure for 1 – 2 weeks before painting. After curing, any high quality paint may be used in accordance with paint manufacturer's instructions.

Cleanup:

Wash tools with water and wipe dry to prevent from rusting.

Packaging:

All *Master of Plaster* materials come pre-mixed in standard 5-gallon pails. Shipping standards at 36 pails/skid. 1 Gallon sample pails are available upon request.

Storage:

Keep containers tightly closed. After material has been removed, replace cover. To preserve remaining material at the end of a project scrape sides of bucket and cover with a thin layer of water. The unused material will keep for up to two years following these practices.

Shelf life of unopened material is 2 years. Do not store outside. Keep out of direct sunlight. Protect from freezing.

Safety Instructions:

Caution: Master of Plaster was designed **NOT** to be sanded. This product contains mica. Long term breathing of large amounts of mica dust may cause lung disease. Do not sand. Use of safety glasses is recommended. If contact with eyes occurs flush with water immediately. Keep out of reach of children.

Liability:

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than intended use. Our liability is expressly limited to replacement of defective goods.

Recommendations for application are intended to provide assistance in the selection of our products and do not establish a determined relationship. In particular, they do not release those both purchasing and applying the materials from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must always be complied with. Master of Plaster retains the right to adjust and modify the products or their application.



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