

Technical Data Sheet

Stone Coat Masonry Hardener

Earthpaint
because you care



Features

- No Petrochemicals
- Hardens Concrete, Masonry Naturally
- No Odor, True Zero VOC
- Actually Petrifies into Masonry
- Long Lifecycle Factor
- Mold Resistant
- Locally harvested ingredients
- Tint range from semi-transparent to solid color

General Properties

Interior / exterior grade, natural inorganic mineral, flat to satin finish, penetrating, clear, high solids masonry hardener.

Locally Harvested Ingredients

Water, Potassium Salt, Non-toxic proprietary additives.

Recommended For

Masonry including: Concrete, Stucco, Cement, Venetian Plaster, Clay Plaster, Gypsum Plasters. Siding, Interior / Exterior Walls. Makes a beautiful natural colorwash.

Technical Data

Vehicle Type: Water

Pigment Type: None, Crystal Clear.

Volume Solids: N/A

Theoretical Coverage at 75 F (23 C) and 50% humidity

200 to 500 sft / gal depending on porosity of surface, temperature at application and method
Absorbent Clay Plaster: 250 sft / gal, Smooth Venetian Plaster: 400-600 sft / gal

Recommended Film Thickness

Non-film forming

Dry Time @ 77 F (25 C) @ 50% R.H.

Set to Touch: 2 hours

To Recoat: 4 hours

To Service: 24 to 48 hours

Dries By: Natural Silicate Petrification, dehydration

Spraying: Use caution. Spraying always increases negative health effects by atomizing the coating,

increasing skin, eye and lung exposure. A water mist bottle is sufficient for most plasters, a pump type garden sprayer usually suffices for larger areas. Do not allow puddling or drips when spraying.

Viscosity: Gardner B to C

Flash Point: Non Flammable

60-Degree Specular Gloss: Flat to Satin

Depending on surface smoothness, thickness of application and number of coats. More coats usually equates to more shine.

Surface Temperature at Application:

Minimum: 50 F Maximum: 90 F

Dilution:

Use pure for best lifecycle results. Product must absorb into substrate. If necessary to achieve this absorption thin up to 50% with clean, sodium free water.

Clean Up: Water. Dry product becomes a natural, glassy silica sand.

Weight Per Gallon: 10.5 lbs.

Storage Temperature:

Minimum: 45 F

Maximum: Tolerates extreme temperatures. Water shedding film develops when heated over 1300F, heat resistant over 3000F

Shelf Life: 1 yr

Disposal: Dry waste in sand before landfill.

Volatile Organic Compounds (VOC):

This product is truly VOC free! There are no solvents in this product. Earthpaint Inc. disapproves gimmickry and technical loopholes to portray Solvents and VOC.

Colors

Wet product is crystal clear. Dry product is also clear but dependent on substrate characteristics. Can be tinted with most standard colorants but colors may lighten if they are organic (synthetic). Inorganic pigments are best suited for this product as they will last longest and change the least.

Stone Coat can be tinted with the Earthpaint Color System. Using this system you can achieve a semi solid or semi transparent stain effect and a wide range of colors. The colors may not be as exact as latex paint colors due to pH affecting them but the product is very natural and safe to use.

Limitations

Substrate color may change when applying as a clear finish. Not for high moisture contact such as sinks, showers, floors. Samples should be completed first to determine outcome. Unclean or frozen substrates will likely result in a hazy or chalky looking surface. **Always test for personal sensitivities and preferences in small inconspicuous areas before application to the entire surface.**

Surface preparation

Remove all previous coatings to insure full absorption, and even surface appearance. Remove all surface salts, dirt, loose particulate or other contaminants. Some masonry will have non visible surface contaminants. These must be washed thoroughly and in some instances acid washed in order to remove properly. To insure surface is properly cleaned a suitable and relevant test area ought to be conducted beforehand. Consult a masonry professional for additional cleaning methods if necessary. Wear approved **NIOSH** respirator, safety goggles, gloves and protective clothing whenever exposed to dust of any sort, especially previously painted materials.

All surfaces must be dry, free of dirt, dust or grit. All nail holes, cracks and blemishes should be repaired before first application if possible.

Glass and metal should be avoided with this product. Cover all areas not to be coated.

Application

One Application: Apply Evenly to avoid streaking. Spray, brush or rub into surface with a clean lint free cloth, lambswool pad or sponge. Wipe off excess with dry rag immediately. Do not allow dripping, running or puddling to occur. Avoid lapmarks by cutting in corners and flat surfaces within a few minutes of each other. Keep a wet edge.

If application utensil picks up dirt from substrate wash out with water. Clouding or hazing can occur in a clear finish if this is ignored. It is good professional practice to wipe over surface to catch all runs and drips and insure an even surface. This can be done with a dry roller, brush, rag, sponge, lambswool pad or other such device.

Two applications: Apply a second, **thin** coat. Wipe off excess immediately. (This second coat uses minimal product, takes little time and results in a longer lasting finish. Do this to capitalize on the intentional **petrification** of Earthpaint Inc finishes. Make sure the product isn't laying on the surface and gets well absorbed.

Stone Coat truly petrifies into the surface and will last as long as the substrate lasts. **It is not a water repellent.** Surfaces

will not accept water the same way but they will remain breathable. Mold will be reduced because of this and the masonry surface will be significantly harder after being coated with this product. If water repellency is needed choose from our excellent line of oils and waxes. These are easily applied over Stone Coat Masonry Hardener for an excellent Top Coat system.

Recycle

Containers are a leading contributor to landfill mass. Recycle containers whenever possible. Earthpaint reuses and recycles containers. Clean containers can be reused by Earthpaint Inc. Call for more information.

Cautions

Health Precautions: Use in adequate ventilation. Avoid breathing vapors or spray mist. Can cause skin, eye and lung sensitivities or irritation. Use NIOSH approved respirator. Wear protective clothing, gloves, and goggles. Flash point above 200 F. Do not ingest. If irritation occurs contact physician. Contact **Nationwide Poison Center Hotline: 1.800.222.1222**

LIMITED WARRANTY

Earthpaint Inc. warrants that this product meets Earthpaint Inc.'s manufacturing specifications. If this product does not meet these specifications, Earthpaint Inc. will, at its option and upon proof of purchase, either furnish an equivalent amount of new product to you or refund the purchase price of this product. In no event will Earthpaint Inc. be responsible for (1) labor or the cost of labor for removal or application of any product; or (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state. **Always test for personal sensitivities and preferences in small inconspicuous areas before application to the entire surface.**

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Check out our other products at

www.earthpaint.net