

ENVIRO-MENT**MASONRY MORTAR****Product Description**

Virginia Lime Works Enviro-Ment® is a specially formulated blend of lime and pozzolana, the same material that has built our architectural treasures for thousands of years. It is available in standard off white, and custom tinted upon request. Virginia Lime Works Enviro-Ment® is available in various strengths making it suitable for most masonry applications, ensuring that our future architectural treasures perform like our ancient ones.

Grades and Uses

Virginia Lime Works Enviro-Ment® achieves the following compressive strengths in laboratory conditions* at 28 days.

EN-150: NORMAL STRENGTH
EN-200: MEDIUM STRENGTH
EN-300: HIGH STRENGTH

Technical Data

Virginia Lime Works Enviro-Ment® achieves the following compressive strengths in laboratory conditions* at 28 days.

EN-150: 1135 PSI
EN-200: 1160 PSI
EN-300: 1595 PSI

Virginia Lime Works Enviro-Ment® achieves the following tensile strengths in laboratory conditions* at 28 days.

EN-150: 330 PSI
EN-200: 315 PSI
EN-300: 405 PSI

Material Composition

Virginia Lime Works Enviro-Ment® is a controlled blend of hydrated lime that meets ASTM C1049 and proprietary admixtures that enhance setting time, strength and workability.

Color

Virginia Lime Works Enviro-Ment® is available in standard off-white and custom colored upon request.

Physical Properties

Virginia Lime Works Enviro-Ment® provides the functionality of conventional mortar with the benefits of pure lime mortars. Workability, flexibility, breathability, and carbon dioxide absorption combined with faster setting times, increased durability, and a higher degree of whiteness produces a mortar that is suitable for historic preservation and for eco-friendly new construction.

Mixing & Reworking

All mixing equipment should be clean and in working order. Aggregates should conform to ASTM C144 and water should be potable. Virginia Lime Works Enviro-Ment should be mixed with 2.5-3 parts sand (by volume). Add lime and sand together to make a paste, add sand slowly and then additional water to desired consistency. Minor retempering is allowed up to 6 hours after mixing.

Limitations

Virginia Lime Works Enviro-Ment® should only be mixed with coarse, well graded masonry sand and potable water for mortar. Virginia Lime Works Enviro-Ment® should also be used under the proper job site and weather conditions.

Limited Warranty

Virginia Lime Works makes no warranty, whether of merchantability or suitability for a particular purpose, with respect to Virginia Lime Works Enviro-Ment®. Having no control to its final usage on site, Virginia Lime Works will not warranty or guarantee any finished work in which Virginia Lime Works Enviro-Ment® is used.

Precautions

Direct contact with wet Virginia Lime Works Enviro-Ment® should be avoided as Enviro-Ment® is manufactured with lime, a known caustic material. Protect eyes, nose, and skin. Work in well ventilated areas.

For More Information

For more information on this or any other Virginia Lime Works products call us at 434-929-8113 or visit us at www.virginalimeworks.com

*Laboratory conditions: Prisms (cubes) were cast from Virginia Lime Works Enviro-Ment® and sand in a ratio of one part binder and three parts standard aggregate and a binder to water ratio of 0.55. All cubes were stored in a constant temperature of 20° C at 95% humidity for 28 days.