

SILICATE PAINT

Description

Mineral Life Int'l **Silicate Mineral Paint** is a waterborne, single component inorganic coating material for masonry wall surfaces. **Silicate Mineral Paint** penetrates the substrate and cures by an irreversible chemical bonding process, forming a micro-crystalline structure which cannot peel or blister.

Uses

Mineral Life Int'l **Silicate Mineral Paint** can be applied to the following substrates:

1. Concrete surfaces. (after removal of release agent residue)
2. Lime & Cement Mortar Stucco/Plaster
3. Brick masonry
4. Metal surfaces, incl. aluminum and galvanized iron.
5. Old and new limewash coatings
6. Cellular concrete
7. Adobe dwellings with breathable walls

Advantages

1. Releases water vapor, while water repellent
2. Non-combustible, acts as fire retardant
3. UV light resistant; Long service life (15 years and up)
4. Natural quality with large selection of earthtone colors
5. Reactive with Mineral Life Patina Solutions for antique finishes
6. Highly resistant to acid pollution
7. Non-hazardous without residual odor
8. Anti-allergenic
9. Excellent adhesion to masonry surfaces (chemical and physical bond).
10. Will not blister or peel
11. Anti-microbial without chemical fungicides
12. Environmentally friendly
Qualifies to earn points towards LEED certification.

Primer / Thinner

Silicate Mineral Wall Primer is first applied to equalize and reduce wall moisture absorption or to reduce Silicate Mineral Paint viscosity for spraying.

Application

Application of Silicate Mineral Paint may be made by spray, lambswool roller of 1 1/4 inch nap, or with short bristle brush.
Protect / mask all surfaces adjacent to vertical wall. Paint splatter removal may be made with water while still wet.

Technical Data

Density.....1.32-1.50
Flash Point.....None
Thermal Coefficient
of Expansion.....same as masonry
Colors.....Earthtones
Coverage.....150 sq ft or 13.9
sq m / gallon for 2 coats
depending on porosity
and texture
Dilute.....only with Mineral
Life Silicate Mineral Wall
Primer

Physical Properties

Water Resistance-....ASTM D1308....No effect
Scrub Resistance.....ASTM D2486...150 cycles
Moisture
Vapor Permeability...ASTM D1653...24 perms
Fire Retardancy
on Cement.....ASTM D3806..."0" flame spread
Accelerated Weathering
-2000 hrs.....No change
Wind Driven
Rain Resistance...Fed Spec...No water leakage
TT-C-555B...No weight gain
Leed Credit-EQ 4.2 (Low emitting Materials:
Paints and Coatings
Leed Credit-SS1.1 and 1.2...(Plan for Green Site
and Building Exterior Management)