**Product Name:**
SILICONE WATER REPELLENT

**Product Code:**
Z104

**Generic Type:**
Water-dilutable sodium methyl siliconate solution

**Suggested Primer:**
Not Required

**General Description:**
Water Repellent is a nonflammable, water soluble sodium methyl siliconate solution designed to impart water repellency to a wide variety of surfaces. The siliconate reacts with moisture and carbon dioxide in the air to form an insoluble water-resistant resin within 24 hours.

**Recommended Uses:**
- Bricks; to increase water repellency and reduce water absorption
- Manufactured and natural stones, such as limestone, sandstone and ceramics; to reduce efflorescence and improve resistance to effects of weathering
- Roofing granules and other products used in contact with asphalt; to provide stain resistance and to improve adhesion of granules to asphalt
- High absorptive mineral aggregates such as Perlite"; to reduce water absorption
- Decorative tile; to seal against moisture

**Features/Benefits:**
- Imparts water repellency to a wide variety of substrates
- Reduces water absorption into substrates, thus reducing spalling due to freeze-thaw and efflorescence
- Colorless and non-yellowing protection preserves the natural appearance of substrate
- Penetrating and breathable
- LowVOC
- Nonflammable

**Product Data:**
- **Density (g/L) lb/gal:**
  - (1250) 10.4
- **Volatile Organic Content (g/L) lb/gal:**
  - (20) 0.167
- **Thinner/Cleaner:**
  - Water
- **Flash Point (open cup):**
  - >100°C (212°F)

**General Surface Preparation:**
Surfaces to receive water soluble silicone should be lightly dampened immediately prior to application. Water soluble silicone does not wet a surface that has been previously treated with a water repellent. If a white precipitate of Na₂CO₃ should form due to the use of too concentrated a solution of water repellent, rundown, overlapping, or second coating, sand blasting or wire brushing may be necessary to remove it if water does not.

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Directions for Use:

After application of the silicone solution, the treated surface should be allowed to dry at least 24 hours to develop maximum water repellency. This interval may be shortened somewhat by force-drying at temperatures up to 149°C (300°F). While this removes the water quickly, time must be allowed for the curing reaction between Kaleidoscope Silicone Water Repellent and the surface being treated. CO₂ streams do not appear to reduce the cure time appreciably.

Applicable Information:

Kaleidoscope Water Repellent is an alkaline material and should be handled with the same care as solutions of caustic soda. If misting should occur while spraying in an open area, avoid inhalation. Local exhaust is recommended if spray or mist is created in enclosed areas. Swallowing large amounts may injure seriously. Do not get into the eyes, on skin or on clothing. If it falls on the skin, wash immediately. If it gets into the eyes, flush immediately with water for at least 15 minutes and obtain prompt medical attention.