



KELMAR® SEALMASTER 100

Concrete Water Repellent

Description

KELMAR® Sealmaster 100 is a solvent-free water repellent based on a monomeric silane. KELMAR® Sealmaster 100 is used as a primer and impregnating agent for normal and reinforced concrete in bridges, roads and buildings.

Typical Uses

- Concrete (road bridges, port/marine concrete, exposed aggregate concrete)
- Under topcoats

Features

- Solvent-free
- Low volatility
- Greatly reduces uptake of water and water-borne salts (eg. Chlorides)
- Excellent penetrating power
- Resistant to alkalis
- Improved durability to freeze-thaw stress

Limitations

- Concrete substrate must be clean, sound, dry and free of all contaminants detrimental to bond
- Fresh concrete must set/cure a minimum of 2 weeks, preferably 4 weeks, prior to application
- Surface and air temperatures MUST be between 10°- 40°C (50°- 104°F) during application
- Intended for external waterproofing of mineral-building materials
- Material MUST NOT be atomized or applied with a brush
- Not for use on glass, wood, plastic or metal surfaces

Application

- Applied by flowcoating to saturation point (airless spraygun)
- Test treatment on a small area to ensure desired effect
- Applied to DRY surfaces only
- Do not apply in strong wind or rain
- A liquid film of material must remain in contact with surface treated for several seconds
- Horizontal surfaces must have a light-reflecting "wet" appearance for 3-5 seconds

Theoretical Coverage

- Approximately 200 sq.ft. per gallon (8 wet mils), based on average porosity concrete
- NOTE: Varies greatly depending on porosity of substrate

Physical Properties

- **Strength:** 98-100% active ingredient
- **Flash Point (DIN51755):** 63°C (145°F)
- **Viscosity:** 0.95 cps
- **Odour:** faint
- **Density (DIN51751):** ~0.88 g/cm³
- **Boiling Point (DIN51751):** ~186°C (367°F)

Safety Precautions

Please refer to product Safety Data Sheet