



EpiMax 950

Water Based Siloxane Impregnant

Description

EpiMax 950 is a water based siloxane emulsion that penetrates into concrete or masonry to provide long term weatherproofing protection. EpiMax 950 is a single component product that is ready-to-use; dilution prior to application is not required.

EpiMax 950 penetrates the surface, and chemically reacts with, and bonds to, the concrete or masonry surface. The invisible film formed by EpiMax 950 will "bead" water and protect the substrate many times longer than conventional systems.

EpiMax 950 provides outstanding long term weatherproof protection for all types of concrete and masonry surfaces. Aside from its ability to "bead" water, it allows the substrate to "breathe" due to high moisture vapor permeability.

Structures protected with EpiMax 950 will show reduced steel reinforcement corrosion, reduced attack by airborne industrial chemicals and reduced efflorescence.



Advantages

- Water based, low odor
- Protection against chloride ions
- Will not change the skid resistance of surface
- Strong chemical bond to the substrate
- Excellent alkali resistance
- VOC compliant
- Excellent beading for improved aesthetics
- No color change, if applied properly
- Excellent moisture vapor transmission
- Roller or spray application

Typical Applications

- Cast-in-place concrete
- Exposed aggregate concrete
- Concrete and split-face blockwork
- Sandstone and slate
- Precast & prestressed concrete
- Porous and dense brickwork
- Render
- Marble

Estimating Data

10 ltr EpiMax 950 = 15 - 40 sq m, depending on surface texture.

Application

New concrete must be cured a minimum of 28 days. Concrete surfaces should be cleaned and free of dirt, oil, grease and other contaminants. New concrete surfaces may only require sweeping, however, if construction traffic has been excessive, washing with medium pressure cold water may be necessary. On older concrete surfaces, higher pressures may be required.

Chemical cleaning or high pressure hot water may also be used. Rinse thoroughly after chemical cleaning. For masonry surfaces, use chemical cleaners followed by lower pressure cold water cleaning. The surface pores should ideally be open sufficiently to allow immediate penetration of EpiMax 950. A good test is to place a few drops of EpiMax 950 onto the clean surface. EpiMax 950 should be immediately absorbed into the surface or additional cleaning may be necessary.

Before application, the surface should be completely dry. Allow at least 24 hours with sunshine for drying if the surface was wet. Do not apply below 4°C or above 38°C temperature. Do not apply if rain is expected within 3 hours. Do not apply during very windy conditions. High winds can cause an excessive application rate.

Cover and protect all glass, aluminum, metal, grass, shrubs, plants, and vegetation from overspray.

Agitate before application.

Apply a single application of EpiMax 950 with low pressure, high volume spray equipment, roller or broom. If spraying, use a fan spray nozzle (tip size 1.3 - 1.5 mm) for greatest efficiency, mist spraying will only waste material.

On vertical surfaces, apply the material from the bottom of the wall upwards so that it will run down the surface at least 15 cm below the spray pattern. For porous vertical surfaces or for maximum protection, apply two "wet on wet" applications of EpiMax 950.

On horizontal surfaces, apply to completely flood the surface, approximately 3 sq m per litre depending on the porosity of the surface. Typically, the surface can be reopened to traffic in 1-2 hrs, if the temperature is 22°C or above. Opened containers of EpiMax 950 should be tightly resealed when not in use. The full chemical reaction of the siloxane will take 3 days.

Packaging

EpiMax 950 is available in 10 litre packs.

Ordering Information: EpiMax 950 10 litre #9095010

Safety precautions

Read **Material Safety Data Sheet** before commencing any application. Keep away from children. Avoid contact with skin and avoid breathing vapour. Always provide adequate personal protection (gloves & goggles etc) during use. Always provide adequate ventilation, especially in confined spaces. If poisoning occurs, call Doctor or Poisons Information Centre.

Phone 13 11 26. If swallowed, DO NOT induce vomiting. Give plenty of water or milk. If skin contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.

TDG Code: Not Classified



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