UCOHYDRAPEL   **WS-124**

Silicon Based Water Repellent

Product

UCOHYDRAPEL is colorless water repellent with improved self-cleaning properties especially on exterior building brickwork. Complying with BS 6477:84 Part 1&2.

Composition

UCOHYDRAPEL is based on silicone resin

Description

UCOHYDRAPEL is supplied as single pack water based colorless silicon liquid repellent Impregnation that goes in to the open pores in mineral substrates to prevent water penetration but allows passage of water vapor.

Properties

UCOHYDRAPEL repels rain and inhibits ingress surface therefore water provided no hydrostatic pressure.

UCOHYDRAPEL provides high impermeability against penetration of water, salt solution dust or soot particles. It arrests leaking of soluble salts from brickwork that causes efflorescence and absorption of de-icing salts by concrete resulting degradation.

Technical Data

Form .... Colorless Liquid
Sp. gravity..................... 1.24 ± 0.01
Solvent.......................... Water
Reaction....................... 24 Hrs

Advantages

- Excellent water repellent
- Reduces risks of efflorescence,
- Effective on old or new surfaces
- Allows surface to breath
- Nontoxic non-flammable, Single pack
- Effective for many years
- Economical and easy to apply
- Colorless, hence preserves natural color and texture of treated surface
- Self-cleaning
- Protects concrete from aggressive action of de-icing salts
- Improved thermal insulation
- Minimize penetration of waterborne dirt and corrosive substances

Purpose

To prevent Water-Penetration to reduce efflorescence due to soluble salts in brickwork. To preserve natural colors and texture of treated surface

Where to Use

- Exterior building brickwork
- Concrete Cement/Sand rendering
- Plastering all types of natural and artificial stone.

- Concrete blocks, asbestos cement
- Lime sand brick, facades and exposed building elements.

Method of Use
1. Surface Preparation

    The surface must be clean, dry and free from loose particles, grease, oil and algae growth.
2. Dilution

    Dilute (1:9) Mix one part of UCOHYDRAPEL with 9 parts of water and prepare a uniform solution then apply with brush or spray gun to the surface.

    Flooding technique should be used for applying to obtain the best penetration. When spraying the solution should not the automated or misted but flowed on in solid stream with spray gun held at a distance just to eliminate foaming on masonry surface.

    UCOHYDRAPEL dries quickly and becomes fully water resistance within 25 hours protect the treated surfaced against rain and water for 24 hours

Coverage
UCOHYDRAPEL has coverage of 5-5.5M2/ Litre

Packing
5, 20, 50, 100, 210 Litre drums

Storage
- UCOHYDRAPEL has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions &in manufacturer's original unopened packing.
- Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

Handling Precaution
- UCOHYDRAPEL is an industrial chemical; required handling precautions should be followed.
- UCOHYDRAPEL is non-flammable and doesn't contain any flammable ingredient.
- UCOHYDRAPEL is non-hazardous, however inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

Important Note:
All products should be used in accordance with manufacturer's instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.