TECHNICAL DATA SHEET

Appearance: Transparent liquid

Density: ~1.0 kg/L (at 20°C)

Water Vapor Permeability: High

Alkali Resistance: Resistant

UV Stability: Excellent

UNIVERSAL PROTECTOR

Universal Protector is an ultra-fine dispersed water-based silicone emulsion. Particle size is measured in nanometers. It provides exceptional protection against moisture and is ideal for impregnation and hydrophobic treatment of a wide range of materials such as textiles, marble, artificial stone, leather, wood, cork, brick, paper, and more.

For these applications, it can be diluted with water up to 100%, depending on the absorbency of the material. The more absorbent the surface, the less dilution is required. Protector is resistant to oil, wine, and marine environments.

Properties:

Water-repellent

Vapor permeable

Protects surfaces without changing their appearance

Improves dirt resistance and reduces growth of fungi, algae, and lichens

Ready to use

Solvent-free

Water-based

Prevents freezing damage

Application:

Suitable for horizontal and vertical surfaces. Apply two coats “wet-on-wet”, with the second coat applied once the first coat loses its wet appearance.

Application tools:

Brush, roller, spray or cloth

Consumption:

Depends on substrate absorbency, typically 8–15 $m^2/L$

Usage:

Interior and exterior surfaces

Surface Preparation:

Clean old surfaces using high-pressure water or sandblasting. The best impregnation effect is achieved on dry, highly absorbent surfaces. The substrate must be clean, dry, and free of moisture.

Drying time:

12 to 24 hours depending on temperature, humidity, and substrate absorbency. Maximum resistance is achieved after a few days.

Application temperature:

+5°C to +30°C. Do not freeze!

Packaging:

1 L – 5 L – 10 L

Dilution:

Water up to max. 100% for less absorbent surfaces

These instructions are based on our best experience. However, due to the wide variety of users and application techniques, we cannot guarantee results in every individual case.