

Hydropel™

# Sealing Above Grade Concrete & Masonry

## DESCRIPTION

Hydropel is a clear, water-based sprayable liquid which activates a water repellent effect on the surfaces of concrete, brick, mortar and masonry. The finished application is virtually invisible, leaving the surface with its original appearance and breathability.

## LIMITATIONS

This product is not intended for surfaces exposed to hydrostatic pressure. Surface temperatures must be above 4°C (40°F) and remain above 4°C for a minimum of 24 hours. Use as supplied. Do not dilute with water or any other solvents. The resulting water repellent surface may prevent adhesion from paint, caulking and cementitious products — make repairs before applying the sealer (concrete patching or repairs should be cured a minimum of 3 days and new concrete should be cured a minimum of 28 days before applying the sealer).

**IMPORTANT:** This product may darken surfaces. Always apply a test patch in an inconspicuous area and confirm the results are acceptable before continuing. Use this test patch to determine adequate coverage levels. Protect vegetation, glass and painted surfaces from overspray.

## SAFETY PRECAUTIONS

Read the Material Safety Data Sheet (MSDS) for this product. For professional use only. Hydropel may cause irritation. Avoid contact with skin or eyes. Avoid breathing mist or vapors. Wear long sleeves, safety goggles and impervious gloves. Hydropel will evolve small quantities of alcohol as it cures. Provide ventilation to prevent accumulation of vapors and avoid exposing freshly treated surfaces to open flame.

## STEP 1: SURFACE PREPARATION

1. All surfaces to be treated must be clean and free from dirt, oil, paint, moss, mildew, laitance, efflorescence, form oils, and any other contaminate that may interfere with the penetration or reaction of Hydropel. Shotblasting, sandblasting, pressure washing or chemical cleaners are suitable methods of preparing the surface.

## STEP 2: APPLY HYDROPEL

**IMPORTANT:** Surfaces must be dry at the time of application. Do not apply Hydropel to surfaces that have been washed or rained on in the previous 24 hours, or if rain is expected in the next 12 hours.

1. Hydropel is best applied with a low pressure sprayer. A common garden sprayer is adequate for most jobs. Airless spray equipment is more efficient for larger projects, but be sure to use low pressure to prevent atomization of the product during application. Hydropel can also be applied by mop, flooding and squeegee, broom, brush or roller.
2. Apply only as much Hydropel as the surface can absorb without causing material to pool on the surface. A very light "fog coat," followed immediately by a uniform "flood coat" will usually provide the most even penetration and prevent over application.
3. For vertical surfaces, apply material using overlapping, horizontal passes and allow a 6-8 inch rundown below the spray line.



4. Do not allow material to pool on the surface. Use a sponge, rag or roller to remove excess material that does not soak into the surface within a few minutes, and increase the coverage rate for the remainder of the work.

**IMPORTANT:** Treated surfaces will begin to develop water repellency soon after the application has dried. Since Hydropel is water-based, any additional material must be applied promptly or it may be repelled by the initial treatment. Large projects may need to be completed in sections for the best results.

### STEP 3: CURING

Hydropel will develop water repellency over several hours and days after application. Allow the surface to dry naturally; no special curing procedures are needed.

### COVERAGE

Test patches are critical to determining the appropriate coverage. Coverage will vary depending on the density and profile of the surface. Hydropel is effective in small amounts; applying extra product does not necessarily provide better performance. Apply at the recommended rates of coverage:

- Dense concrete: 7.5 m<sup>2</sup>/L (300 sq. ft. /gal.)
- Normal concrete: 6 m<sup>2</sup>/L (240 sq. ft. /gal.)
- Concrete block: 5 m<sup>2</sup>/L (200 sq. ft. /gal.)
- Split faced concrete: 3.5 m<sup>2</sup>/L (150 sq. ft. /gal.)
- Red brick: 2.5 m<sup>2</sup>/L (100 sq. ft. /gal.)

**NOTE:** Hydropel is best applied using a single coat. Use the coverage rates above as a guide. Highly absorbive surfaces may require a second, lighter coat applied immediately after the first coat.

### TOOLS & MATERIALS

- Hydropel
- Low pressure sprayer
- Paint roller
- Cloth rags or sponge