

# Repelicone® H

Water-based Silane/Siloxane Hydrophobic Impregnation & Water Repellent Sealer



## DESCRIPTION

Repelicone H is a professional-grade, water-based silane/siloxane penetrating water repellent sealer designed for unsealed concrete, natural and artificial stone, brick, paver, masonry, and cementitious substrates.

The product penetrates into the pores of the substrate, forming a breathable hydrophobic barrier that helps reduce water absorption and moisture-related deterioration such as surface staining, efflorescence, and freeze-thaw damage.

Repelicone H maintains the natural appearance of the substrate, leaving no film or surface gloss and produces an immediate water-beading effect on many surfaces and provides long-lasting water repellency and sealing effect when applied correctly.

## APPLICATIONS

Repelicone H is suitable for providing water repellency, sealing and surface protection against weathering on:

- » Concrete pavements, driveways, walkways, and slabs.
- » Parking areas, loading zones, and garages.
- » Masonry and block surfaces.
- » Natural and artificial stone.
- » Patios, decks, and architectural concrete.
- » Vertical substrates such as façades, walls, and precast elements.
- » Additional areas such as sidewalks, pool decks, basements, and showroom floors.

It is recommended for use on unsealed surfaces where absorption into the substrate is required.

## ADVANTAGES

- » Excellent water beading effect.
- » Good penetration into substrate.
- » Reduces water and chloride intrusion
- » Excellent resistance to alkalis and UV light.
- » Increases freeze thaw resistance.
- » Minimizes efflorescence.
- » Breathable, allows for water vapour release.
- » Very good resistance to dust and dirt pick-up.
- » Deep penetration into porous substrates.
- » Retains natural appearance (non-film forming).
- » Easy to apply using spray, brush, or roller.
- » Suitable for both interior and exterior use.

## TECHNICAL PROPERTIES @ 75°F (23°C):

Color:	Milky white, dries colorless
Consistency:	Water-like consistency
Specific gravity:	1.00 ± 0.02 g/ml
Touch dry time:	30 - 60 min
Foot traffic after two coats:	8 - 12 hr
Wheel traffic after two coats:	24 - 48 hr
Application temperature:	50 to 85°F (10 to 30°C)
Viscosity:	< 5 cP
(Brookfield, N <sub>1</sub> S <sub>20</sub> )	
VOC:	< 10 g/ltr

## METHOD OF USE

## SURFACE PREPARATION

Surface must be clean, sound and free from oil, grease, dust, curing compound, previous coatings or any contamination. Contaminants should be removed by light grit blasting, followed by water jetting as the final cleaning step. Ensure the substrate is sufficiently dry before application.

*Note: Avoid the use of acidic or alkaline chemical detergents and cationic surfactants. If detergents are used for cleaning, it is necessary to rinse well the cleaned surface by water in order to remove any detergent residue and allow sufficient drying time.*



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## APPLICATION

Repelicone H may be applied using a low-pressure spray, brush, or roller, ensuring even and uniform distribution across the surface.

Two consecutive coats or a single flood coat may be used depending on substrate absorption. The second coat should be applied as soon as the first begins to dry, typically after 10 - 15 minutes, allowing the material to penetrate without forming puddles or areas of over-application.

### Notes:

- » Repelicone H should not be applied when rain is forecasted within 24 hours. Wait at least 24 hours after rain or water cleaning.
- » Be sure that impregnated surfaces by Repelicone H are not exposed to water and rain for at least 12 hours after application.
- » DO NOT USE DETERGENTS for cleaning impregnated surfaces by Repelicone H, washing occurs only by water.
- » It is recommended to apply to a small test area to confirm substrate compatibility and absorption.

## CURING

The water repellent and sealer properties begin to develop soon after application and fully develop in approximately 72 hours @ 75°F (23°C).

## LIMITATIONS

- » Repelicone H is designed for unsealed substrates only.
- » Do not apply over paints, coatings, sealers, or adhesives.
- » Do not dilute.
- » Not resistant to certain chemicals.
- » Over-application may cause surface darkening.
- » Treated surfaces should not be cleaned using detergents; use water only.
- » Coverage rate depends on substrate porosity and condition.

## CLEANING

Tools and equipment can be cleaned with water and soap when wet. Dispose of containers according to regulations.

## PACKAGING

Repelicone H is available in 1 gal (3.8 litre) jerrycans, 5 gal (18.9 litre) pails.

## COVERAGE

100 - 400 ft<sup>2</sup>/ gal (2.5 - 10.0 m<sup>2</sup>/liter) depending on the porosity of the substrate. As an estimation guide, the below table can be followed:

Substrate	Ft <sup>2</sup> / Gal	M <sup>2</sup> /Liter
Porous System	100 - 200	2.5 - 5.0
Non-Porous Systems	200 - 400	5.0 - 10.0

### Notes:

- » Coverage will vary depending on the porosity and condition of the substrate, application method, and thickness applied.
- » Two coats or one flood coat are generally recommended for uniform appearance and performance.

## STORAGE

Repelicone H should be stored under cover at a minimum ambient temperature between 40°F (5°C) and 105°F (40°C) in dry, well-ventilated areas.

## SHELF LIFE

Repelicone H has a shelf life of 12 months from date of manufacture if stored in proper conditions and sealed jerrycans and pails.

If these conditions are exceeded, contact DCP Technical Department for advice.

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## CAUTIONS

## HEALTH AND SAFETY

Care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection. Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information, refer to the Material Safety Data Sheet.

## FIRE

Repelicone H is nonflammable.

## WARRANTY

Unless expressly stated otherwise in the Sales Documents, the Limited Warranty shall expire on the expiry date listed on the Product's label or packaging. The full text of DCP's limited warranty is found in DCP's standard terms and conditions of sale (the "Terms"), which are available at [DCP Website/USA – Terms & Conditions](#). DCP's limited warranty is in all cases subject to, and conditioned upon, the Terms.

**Don Construction Products Inc.**

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# Repelicone® H

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- » Surface treatments
- » Grouts and anchors.
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- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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#### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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