



ADHERE R70

Breathable, Siliane/siloxane Water Repellent For Pours Vertical Surfaces

The Versatile Construction Chemicals

Adhere R 70 is a water-based, VOC compliant, non-yellowing, water repellent treatment that remains invisible while protecting surfaces from damaging water penetration. Adhere R 70 Quickly and easily forms a long lasting water repellent barrier within concrete and masonry. It is designed for maximum protection on vertical, above – grade surfaces. Such as concrete block and other porous concrete surfaces. Adhere R 70 compatible with most caulking compounds and sealants.

ADHERE R 70's active ingredients provide a two – flod water repellent protection to concrete and masonry by 1) a non yellowing, Surface barrier that repels water, mildew dirt and airborne contaminants and 2) integral protection by an in – depth chemical action – forming barrier.

Basic Use: ADHERE - R70 is designed specifically for water repellent treatment of vertical, above-grade concrete block and porous masonry units. Proper treatment is invisible and long lasting.

FEATURES & BENEFITS

- Formulated for concrete block and porous masonry.
- Penetrates substrate for permanent hydrophobic protection.
- Odorless.
- Ready — to-use, non-flammable, non-volatile. Invisible, long lasting protection.
- No film .Leaves surface breathable.

ESTIMATING:

This product is available in 2 kg, 20 Kg (20 kg Drums)

Coverage Rates:

Average rate is determined by surface porosity:

Concrete Block : 1.5-2.5 m2 Kg

Split Face, Ground

Face cinder Block : 1.5-2.0 m2 Kg

A test is recommended to determine actual coverage rates. Highly Porous Surfaces may require two Flodcoats.

TECHNICAL DATA

Applicable Standards:

ASTM E 514

SS – W 110c

VOC Complaint

PHYSICAL PROPERTIES:

Color milky white, dries invisible	
Dry Time (20 o C)	: 2 – 4 hours
Surface Gloss	: None
Penetration, avg. 1/16-1/4 inch	: (2 – 8 mm)
Resistance to ultraviolet Rays	: Excellent
Salt Spray, After 1000 hrs	: Excellent
Water Repellence, ASTM E – 514, wind driven rain, 62 mph, 4 hours	: Excellent
Weather meter, 1000 hours	: No Change
VOC, gms / Liter	: <50

INSTALLATION

Surface Preparation: Areas to be treated shall be clean and dry for penetration. Allow 24 hours after rain before applying. Cure new masonry Surfaces for 14 days prior to treatment Clean off mud, scale, coatings or efflorescence. Repair mortar joints, other than hairline cracks, and allow to cure a minimum of 72 hours before applying **ADHERE - R70**. Caulking and sealant work shall be completed and allowed to cure before application.

Apply **ADHERE - R70** with low pressure airless spray equipment. A garden sprayer is acceptable for small projects. Spray pressure should be no more than 20psi. For porous block surfaces, spray head should permit a heavy spray . Control overspray. **ADHER - R70** bonds to all siliceous materials including glass.

Extremely porous substrates may require two (2) coats. Application of the second coat should proceed with wet on wet applications.

Treat vertical areas using horizontal passes. Saturate mortar joints. Application from the bottom up is necessary to provide uniform penetration. Use an overlapping pattern allowing materials to flood down from contact point at least 8 inches (200 mm). Apply a light mist coat before general application to help insure complete saturation.

**ADHERE BONDS
COATS PVT LTD.** INDIA

www.adherebonds.com | admin@adherebonds.com





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Clean Up: Clean up equipment and overspray with mild detergent and water. For dried residue, scrub with very hot water and mild citric acid.

NOTE ADHERE R70 requires approximately seven (7) days after application to develop its maximum water repellency. After this initial curing period, surfaces remain permanently water penetration. Fully cured surfaces also resist further treatment.

FOR BEST RESULTS:

Use **ADHERE R70** on porous masonry and concrete surfaces only. Highly permeable units may require several flood coats.

- Not to be used for below – grade applications.
- Keep off shrubbery and plant life.
- Improper application may result in unsightly white streaks.
- Do not apply in high winds. Protect vehicles from over spray.
- Do not dilute

ADHERE - R70 will not inhibit water penetration through unsound or cracked surfaces, or surfaces with defective flashing, caulking, or structural waterproofing.

PRECAUTIONS:

Keep from freezing. ADHERE - R70 can be made useless by freezing. Keep in an enclosed container when not in use. Avoid prolonged skin contact. Wear protective gloves and goggles. Wash hands with soap and water. Do not inhale mist. Do not return unused materials to container.

STORAGE /SHELF LIFE

ADHERE - R70 containers are to be sealed and stored in a clean, dry area between 21 - 30 °C Shelf life is one year in unopened containers.

WEB SITE

Adhere Bonds Coats Pvt Ltd., convenient internet web site offers instant access to Technical Data Sheets, products up dates, and other useful information. Visit www.adherebonds.com and follow the easy steps. Adhere Bonds is ready to respond to your concrete information needs – anytime-anywhere!

SHORT SPEC

Water repellent Treatment: For vertical concrete and other block and porous masonry surfaces VOC complaints Siliane / Siloxane blend, odorless, invisible. "ADHERE R70" by Adhere Bonds Coats Pvt Ltd., Construction Chemicals.

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