

PRODUCT DATA

7^{07 19 23} **Water Repellents**

ENVIROSEAL® DOUBLE 7 FOR BRICK

High-performance, water-based, silane/siloxane water-repellent sealer

Description

Enviroseal® Double 7 for Brick is a high-performance, water-based, VOC-compliant, clear silane/siloxane sealer designed for dense, vertical masonry surfaces like hard-burnt brick.

Yield

Brick:
100 – 175 ft²/gal (2.4 – 4.3 m²/L)

Stucco:
80 – 140 ft²/gal (2.0 – 3.5 m²/L)

A test area is recommended to determine actual coverage rates. Coverage rates will vary greatly with the porosity of the substrate.

Packaging

- 1 gallon (3.8 L) jugs
- 5 gallon (19 L) pails
- 54 gallon (205 L) drums

Color

Milky white, dries clear

Shelf Life

18 months when properly stored

Storage

Store in unopened containers in a clean, dry area between 35 and 110° F (2 and 43° C).

Features

- Water repellent
- Highest water repellency for brick
- Water based, VOC compliant
- Excellent water bead
- Transparent, nonstaining
- Breathable
- Easy to apply
- Long-term protection

Benefits

- Extends life of building
- Provides long-lasting protection against moisture intrusion
- Environmentally friendly
- Substrate maintains dry appearance during rainfall
- Does not alter surface appearance
- Allows interior moisture to escape without damaging sealer
- Reduces labor costs
- Reduces maintenance costs

Where to Use

LOCATION

- Vertical
- Interior and exterior
- Above grade

SUBSTRATE

- Brick
 - Hard burnt
 - Regular to common
- Stucco
 - Troweled/smooth
 - Integrally colored

How to Apply

Surface Preparation

1. Surfaces should be clean, dry, and free of alkali, efflorescence, sand, surface dust or dirt, oil, grease, chemical films, and other contaminants. Concrete surfaces should be fully cured.
2. Air, material, and surface temperatures should be 40° F (4° C) or higher during application and curing. Surfaces can be slightly damp prior to application, but for best results and maximum penetration of sealer, a dry surface is recommended. Do not apply sealer when temperatures are expected to fall below 40° F (4° C) within 4 hours of completed application.
3. Repoint any loose or disintegrated mortar and allow a minimum of 72 hours drying time before application. Install caulking and sealant before application, allowing a minimum of 6 – 12 hours curing time (or until set). Contact Technical Service for recommendations.

Technical Data

Composition

Enviroseal® Double 7 for Brick is a water-based silane/polysiloxane blend.

Typical Properties

PROPERTY	VALUE
Solids and active ingredients, % by weight	12
VOC content, lbs/gal (g/L)	< 2.09 (< 250)
Specific gravity, kg/L	1.0
Density, lbs/gal	8.3
Penetration, in (mm), average depth, depending upon substrate	1/16 – 3/8 (1.6 – 9.5)

Test Data

PROPERTY	RESULTS	TEST METHODS
Flash point, ° F (° C)	> 212 (> 100)	ASTM D 3278
Leakage on brick wall, % reduction	> 94.8	ASTM E 514
Moisture-vapor transmission rate, at 75° F (24° C)		ASTM D 1653
g/ft ² /24 hours,	49.8	
% of untreated substrate	86	
Accelerated weathering, 1,500 hrs	No change	QUV

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Application

1. Test a small area of the surface (generally a 5 by 5 ft [1.5 by 1.5 m] section) before starting general application of any clear penetrating sealer to ensure desired results and coverage rates. Allow 5 – 7 days for the product to fully react before evaluating.
2. Mix material thoroughly before and during application.
3. Apply by low-pressure, non-atomizing spray.
4. Apply a mist coat of Enviroseal® Double 7 for Brick immediately before application to help break surface tension and assist with maximum penetration.
5. Flood surfaces by applying from the bottom up, applied to saturation, with a controlled 8 – 10" (20 cm) material rundown to ensure maximum penetration into substrate.
6. Extremely porous substrates may require 2 coats. Apply the second coat as soon as initial surface drying of the first coat has become visible.

Drying Time

Typical drying time for Enviroseal® Double 7 for Brick is 4 hours at 70° F (21° C) and 50% relative humidity. Cooler temperatures or higher relative humidity can extend the drying time.

Clean Up

Clean equipment and tools with hot soapy water. Overspray can be cleaned immediately with hot soapy water. Dried residue can be cleaned with a mild citric acid or very hot water, then scrubbed with a plastic sponge.

For Best Performance

- Keep material from freezing.
- Do not dilute Enviroseal® Double 7 for Brick.
- Do not apply during inclement weather or when inclement weather is anticipated within 12 hours.
- To prevent damage to nearby shrubbery and landscaping, cover or protect with drop cloth.
- Variations in the texture and porosity of the substrate will affect the coverage and performance of the product.
- Enviroseal® Double 7 for Brick will not inhibit water penetration through unsound or cracked surfaces or surfaces with defective flashing, caulking, or structural waterproofing.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

ENVIROSEAL® DOUBLE 7 FOR BRICK

Caution

Enviroseal® Double 7 for Brick contains alkoxyisilane.

Risks

May cause skin, eye or respiratory irritation. Ingestion may cause irritation.

Precautions

KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container closed when not in use. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION. Refer to Material Safety Data Sheet (MSDS) for further information.

Proposition 65

This product contains material listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

Less than 2.09 lbs/gal or 250 g/L, less water and exempt solvents.

**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

**BASF Construction Chemicals, LLC –
Building Systems**

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739



LIMITED WARRANTY NOTICE Every reasonable effort is made to apply BASF exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, BASF MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and BASF shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the BASF Technical Manager.

This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF disclaims all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. BASF SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. BASF reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

For professional use only. Not for sale to or use by the general public.

Form No. 1019667 8/07
Printed on recycled paper including 10% post-consumer fiber.

© 2007 BASF
Printed in U.S.A.