

# MasterProtect® H 107

Breathable, water-based, silane/siloxane water-repellent sealer

FORMERLY ENVIROSEAL® 7

## PACKAGING

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

## COLOR

Milky white liquid; dries clear

## YIELD

- Brick: 100–175 ft<sup>2</sup>/gal (2.4–4.3 m<sup>2</sup>/L)
- Concrete: 100–175 ft<sup>2</sup>/gal (2.4–4.3 m<sup>2</sup>/L)
- Stucco: 60–100 ft<sup>2</sup>/gal (1.5–2.4 m<sup>2</sup>/L)
- Stone: Call Technical Service for recommendations.

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

## STORAGE

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

## SHELF LIFE

18 months when properly stored

## VOC CONTENT

Less than 250 g/L less water and exempt solvents.

## DESCRIPTION

MasterProtect H 107 is a clear, water-based silane/siloxane sealer for protecting a wide variety of vertical surfaces. It provides a cost-effective solution for protecting substrates from water and the elements.

## PRODUCT HIGHLIGHTS

- Water repellency extends life of building
- VOC compliant for EPA and most regional jurisdictions
- Breathability allows interior moisture to escape without damaging sealer
- Transparent and non-staining, does not alter surface appearance
- Easy to apply
- Cost effective, providing durable performance at an affordable cost

## APPLICATIONS

- Vertical
- Interior or exterior
- Above grade

## SUBSTRATES

- Brick
- Concrete
  - Architectural
  - Exposed aggregate
  - Glass-fiber reinforced
  - Precast/poured in place
  - Tilt up
- Stone
  - Granite/marble/limestone (unpolished)
  - Sandstone
- Stucco

## HOW TO APPLY

### SURFACE PREPARATION FOR VERTICAL SURFACES

1. Clean surfaces 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. Complete caulking and sealant work before application of sealer, allowing a minimum of 6–12 hours curing time (or until set). Contact Technical Service for recommendations.

## 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 penetrating sealer to ensure desired performance results, aesthetics 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.

Technical Data

Composition

MasterProtect H 107 is a water-based blend of silane and siloxane.

Typical Properties

PROPERTY	VALUE
<b>Solids and active ingredients, % by weight</b>	7
<b>Specific gravity, kg/L</b>	1.0
<b>Density, lb/gal</b>	8.33
<b>Penetration, in (mm), average depth, depending upon substrate</b>	0.04–0.06 (1.0–1.5)

Test Data

PROPERTY	RESULTS	TEST METHOD
<b>Flash point, ° F (° C)</b>	> 200 (> 93)	ASTM D 3278
<b>Moisture-vapor transmission rate, at 75° F (24° C)</b>		ASTM D 1653
g/ft²/24 hours	49.8	
% of untreated substrate	86	
<b>Water repellency test, % reduction in weight gain, 21 day submersion</b>	75	ASTM C 642
<b>Water weight gain, %, 7 day submersion</b>	2.20	ASTM C 642
<b>Surface appearance after application</b>	Unchanged	Federal Reflectance Test Method 6121

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

4. Apply a mist coat of MasterProtect H 107 immediately before application to help break surface tension and assist with maximum penetration.
5. Flood surfaces to saturation by applying from the bottom up 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 MasterProtect H 107 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 citrus-based cleaner or very hot water, then scrubbed with a soft-bristle brush.

#### FOR BEST PERFORMANCE

- Keep material from freezing.
- Do not dilute MasterProtect H 107.
- 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.
- Protect asphalt-based products such as roofing materials or plastic products from overspray.
- MasterProtect H 107 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 SDS are being used; visit [www.master-builders-solutions.com/en-us](http://www.master-builders-solutions.com/en-us) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by Master Builders Solutions personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

#### HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting [www.master-builders-solutions.com/en-us](http://www.master-builders-solutions.com/en-us), e-mailing your request to [mbsbscst@mbcc-group.com](mailto:mbsbscst@mbcc-group.com) or calling 1(800)433-9517. Use only as directed.

**IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.**

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