



The Chemical Company

MASONPRO, Inc.
43300 Seven Mile Road
Northville, MI 48167
1-800-659-4731
www.masonpro.com

FORMERLY HYDROCIDE 700B

7 | 07 11 00
Dampproofing

Technical Data Guide

MasterSeal® 610, 614, 615

Waterborne emulsified-asphalt dampproofing compounds

FORMERLY HYDROCIDE® 600, 700, 700B

PACKAGING

- 53 gallon (200.9 L) drums
- 5 gallon (18.93 L) cans

COLOR

Black

YIELD

MASTERSEAL 610
70–100 ft²/gallon per coat
(1.72 – 2.45 m²/L per coat)

MASTERSEAL 614
25 ft²/gallon at 1/16" wet film
(0.61 m²/L at 1.6 mm wet film)
12.5 ft²/gallon at 1/8" wet film
(0.31 m²/L at 3 mm wet film)

MASTERSEAL 615
30–35 ft²/gallon per coat
(0.74–0.87 m²/L per coat)

STORAGE

Store in unopened containers in a cool, clean, dry area. Do not allow these materials to freeze in the container; do not store below 35° F (2° C).

SHELF LIFE

1 year when properly stored

VOC CONTENT

24 g/L less water and exempt solvents

DESCRIPTION

MasterSeal 610, 614 and 615 are cold-applied water-based emulsified-asphalt dampproofing and vapor-retarding coatings for use on "green" or slightly damp surfaces.

MasterSeal 610 is fiber-free for application by brush or spray.

MasterSeal 614 is reinforced with long fibers for application by trowel.

MasterSeal 615 is reinforced with short fibers for application by brush or spray.

PRODUCT HIGHLIGHTS

- Suitable for "green" or slightly damp surfaces, speeding up dampproofing of new foundation walls
- Non-flammable to minimize fire hazard during application
- User-friendly water clean-up formula; reduces clean-up time
- Flexible
- Wide service temperature range of -40 to 150° F (-40 to 66° C) making MasterSeal 610, 614, and 615 suitable for most climates

APPLICATIONS

- Exterior surfaces (below grade)
- Foundations
- Faces of cavity walls
- Concrete
- CMU
- Exterior-grade gypsum board
- Bonding polystyrene insulation to many substrates

HOW TO APPLY

SURFACE PREPARATION

Surface should be free of oil, grease, dirt, laitance and loose material. Dry surfaces must be dampened with water and kept damp until application.

APPLICATION

1. Apply MasterSeal 614 with a trowel.
2. Apply MasterSeal 610 and 615 by brush, roller or spray with the proper equipment. Consult the spray equipment manufacturer for more information.

EXTERIOR SURFACES BELOW GRADE— DENSE SURFACES

1. Apply MasterSeal 614 in one coat by trowel or apply 615 in two coats by brush, roller or spray. Allow first coat to dry tacky to touch before applying second coat.
2. Fill in all crevices and grooves, making sure the coating is continuous and free from breaks and pinholes. Carry coating over exposed top and outside edge of footing. Spread around all joints, grooves, and slots and into all chases, corners, reveals and soffits. Bring the coating to finished grade.
3. Backfilling: Place backfill at least 24–48 hours after application, but within 7 days. Do not rupture or damage the film or displace the coating or membranes. Some situations may require protection board.

Technical Data

Composition

MasterSeal 610, 614, 615 are asphalt-based emulsions.

Compliances

- MasterSeal 610 complies with ASTM D 1187, Type 1, and ASTM D 1227, Type 3, Class I
- MasterSeal 614 complies with ASTM D 1227, Type 2, Class I and ASTM D 1187, Type 1
- MasterSeal 615 complies with ASTM D 1227, Type 2, Class I, and ASTM D 1187, Type 1 developed by CGSB

Typical Properties

PROPERTY	VALUE
Solids by weight, %	
MasterSeal 610	52
MasterSeal 614	54
MasterSeal 615	53
Solids by volume, %	
MasterSeal 610	50
MasterSeal 614	52
MasterSeal 615	51

Test Data

PROPERTY	RESULTS	TEST METHOD
Viscosity		
MasterSeal 610, KU	95–105	Stormer
MasterSeal 614, KU	325–335	Penetrometer, 16 oz cup, 150 g weight
MasterSeal 615, KU	110–120	Stormer

EXTERIOR SURFACES BELOW GRADE—
POROUS SURFACES

Three alternate techniques are equally effective

1. Membrane system: Apply one coat of MasterSeal 614 or two coats of MasterSeal 615 as described above under Dense Surfaces. Within 4 hours, apply MasterSeal 995 or glass-fabric membrane cloth over all surfaces of coating, overlapping all edges at least 3" (76 mm). Press firmly into place without wrinkles. Within 24 hours, apply an additional coat of MasterSeal 614 or MasterSeal 615. Allow to set and backfill as described above under Backfilling.
2. Two-coat system: Apply a prime coat of MasterSeal 610 asphalt emulsion, cut 20% by volume with clean water. Allow prime coat to dry tacky to touch and apply one coat of MasterSeal 614 as described above under Dense Surfaces. Allow to set and backfill as described above under Backfilling.
3. Parge coat system: Apply a parge coat of cement mortar to the block wall, carrying the parge coat from the bottom of the footings to grade level and forming a cove at the junction of the wall and footing. Allow to cure (typically 7 days). Apply either one trowel coat of MasterSeal 614 or two brush, roller, or spray coats of MasterSeal 615 as described above under Dense Surfaces. Allow to set and backfill as described above under Backfilling.

INTERIOR SURFACES ABOVE GRADE—
VAPOR RETARDER

1. MasterSeal 610, 614, and 615 may be used individually or in combination for dampproofing the exterior face of interior walls in cavity wall construction.
2. MasterSeal 614 and MasterSeal 615 are excellent vapor retarders. Apply in one coat, carrying the coating in and around all joints, grooves and slots, following all reveals and soffits of windows and continuing 12" (305 mm) out on adjoining partitions and soffits. MasterSeal 610 may also be used. Use one, two, or more coats, as needed, depending on amount of vapor retarding required.
3. Allow to set. If walls are to receive hard wall plaster, use furring strips or metal lath.
4. MasterSeal 614 and 615 have been used successfully for bonding polystyrene insulation board to a wide variety of substrates. On-site testing with actual substrate is recommended.

CLEAN UP

Clean tools and equipment immediately with hot, soapy water. Cured material can be removed with MasterSeal 990.

FOR BEST PERFORMANCE

- Keep from freezing in the container.
- Do not apply at temperatures below 40° F (4° C) or when temperatures are expected to fall to 40° F (4° C) in the next 24 hours.
- Protect from rain or moisture until coating has cured.
- MasterSeal 610, 614, and 615 should be protected or covered within 7 days of application.
- MasterSeal 610, 614, and 615 should not be exposed to long-term UV.
- Not intended as a waterproofing membrane. Refer to MasterSeal HLM 5000 (Form No. 1017900).
- Do not use MasterSeal 614 and 615 as plaster-bonds on ceilings or under Portland cement mixes on ceilings.
- ASA specifications require furring or lath or similar design features to ensure absolute adhesion of plaster.
- 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, 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.basf.us, e-mailing your request to basfbscst@basf.com or calling 1(800)433-9517. Use only as directed.

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

LIMITED WARRANTY NOTICE

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of BASF. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. 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, nor shall any legal relationship be created by or arise from the provision of such information and advice. BASF reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

