



The Chemical Company

PRODUCT DATA

7 07 11 00 **Dampproofing**

# HYDROCIDE® 600, 700, 700B

**Waterborne emulsified-asphalt dampproofing compounds**

### Description

Hydrocide® 600, 700 and 700B are cold-applied water-based emulsified-asphalt dampproofing and vapor-retarding coatings for use on "green" or slightly damp surfaces.

Hydrocide® 600 is fiber-free for application by brush or spray.

Hydrocide® 700 is reinforced with long fibers for application by trowel.

Hydrocide® 700B is reinforced with short fibers for application by brush or spray.

### Yield

Hydrocide® 600:  
70 – 100 ft<sup>2</sup>/gallon per coat  
(1.72 – 2.45 m<sup>2</sup>/L per coat)

Hydrocide® 700:  
25 ft<sup>2</sup>/gallon at 1/16" wet film  
(0.61 m<sup>2</sup>/L at 1.6 mm wet film)  
12.5 ft<sup>2</sup>/gallon at 1/8" wet film  
(0.31 m<sup>2</sup>/L at 3 mm wet film)

Hydrocide® 700B:  
30 – 35 ft<sup>2</sup>/gallon per coat  
(0.74 – 0.87 m<sup>2</sup>/L per coat)

### Packaging

Hydrocide® 600 and Hydrocide® 700B:  
53 gallon (200.9 L) drums

5 gallon (18.93 L) cans

Hydrocide® 700:  
53 gallon (200.9 L) drums  
5 gallon (18.93 L) cans

### Features

- Suitable for "green" or slightly damp surfaces
- Nonflammable
- Water clean up
- Flexible
- Wide service temperature range, -40 to 150° F (-40 to 66° C)

### Benefits

- Speeds dampproofing of new foundation walls
- Minimizes fire hazards during application
- User friendly; enhances production
- Withstands normal expansion and contraction
- Suitable for most climates

### Color

Black

### Shelf Life

1 year when properly stored.

### 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).

### Where to Use

#### APPLICATION

- Foundations
- Faces of cavity walls

#### LOCATION

- Exterior surfaces (below grade)

#### SUBSTRATE

- 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 Hydrocide® 700 with a trowel.
2. Apply Hydrocide® 600 and 700B 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 Hydrocide® 700 in 1 coat by trowel. Apply 700B in 2 coats by brush, roller, or spray. Allow first coat to dry tacky before applying second coat.
2. Fill in all crevices and grooves, making sure 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

Hydrocide® 600, 700, and 700B are asphalt-based emulsions.

### Compliances

- Hydrocide® 600 complies with ASTM D 1187, Type 1, and ASTM D 1227, Type 3, Class I
- Hydrocide® 700 complies with ASTM D 1227, Type 2, Class I and ASTM D 1187, Type 1
- Hydrocide® 700B complies with ASTM D 1227, Type 2, Class I, and ASTM D 1187, Type 1

### Typical Properties

PROPERTY	VALUE
<b>Solids by weight, %</b>	
Hydrocide® 600	52
Hydrocide® 700	54
Hydrocide® 700B	53
<b>Solids by volume, %</b>	
Hydrocide® 600	50
Hydrocide® 700	52
Hydrocide® 700B	51

### Test Data

PROPERTY	RESULTS	TEST METHODS
<b>Viscosity</b>		
Hydrocide® 600, KU	95 – 105	Stormer
Hydrocide® 700 KU	325 – 335	Penetrometer, 16 oz cup, 150 g weight
Hydrocide® 700B, KU	110 – 120	Stormer

#### EXTERIOR SURFACES BELOW GRADE—POROUS SURFACES

Three alternate techniques are equally effective.

- MEMBRANE SYSTEM:** Apply 1 coat of Hydrocide® 700 or 2 coats of Hydrocide® 700B as described above under Dense Surfaces. Within 4 hours, apply Sonoshield® Reinforcing Fabric 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 Hydrocide® 700 or Hydrocide® 700B. Allow to set and backfill as described above under Backfilling.
- TWO-COAT SYSTEM:** Apply a prime coat of Hydrocide® 600 asphalt emulsion, cut 20% by volume with clean water. Allow prime coat to dry tacky to touch and apply 1 coat of Hydrocide® 700 as described above under Dense Surfaces. Allow to set and backfill as described above under Backfilling.

- 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 1 trowel coat of Hydrocide® 700 or 2 brush, roller, or spray coats of Hydrocide® 700B as described above under Dense Surfaces. Allow to set and backfill as described above under Backfilling.

#### INTERIOR SURFACES ABOVE GRADE—VAPOR RETARDER

- Hydrocide® 600, 700, and 700B may be used individually or in combination for dampproofing the exterior face of interior walls in cavity wall construction.
- Hydrocide® 700 and Hydrocide® 700B are excellent vapor retarders. Apply in 1 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. Hydrocide® 600 may also be used. Use 1, 2, or more coats, as needed, depending on amount of vapor retarding called for.
- Allow to set. If walls are to receive hard wall plaster, use furring strips or metal lath.
- Hydrocide® 700 and 700B 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 Reducer 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 until coating has set.
- Hydrocide® products should be protected or covered within 7 days of application.
- Hydrocide® products should not be exposed to long-term UV.
- Not intended as a waterproofing membrane. Refer to HLM® 5000 (Form No. 1017900).
- Do not use Hydrocide® 700 and 700B 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.
- 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

HYDROCID® 600, 700 AND 700B

#### Caution

Hydrocide® 600, 700, and 700B contain asphalt petroleum.

### Risks

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

#### Precautions

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

#### First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, remove completely with dry cloth, then wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. 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 does not knowingly contain materials listed by the state of California as known to cause cancer, birth defects or other reproductive harm.

#### VOC Content

0.20 lbs/gal or 24 g/L, less water and exempt solvents.

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

---

**BASF Building Systems**

889 Valley Park Drive  
Shakopee, MN, 55379

[www.BASFBUILDINGSYSTEMS.COM](http://www.BASFBUILDINGSYSTEMS.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.