

**Sonneborn®****Waterproofing  
Systems****SONOSHIELD®****HYDROCIDÉ® 600, 700, 700B****Waterborne emulsified-asphalt dampproofing compounds****Features**

- Suitable for "green" or slightly damp surfaces...
- Nonflammable...
- Uncured material may be cleaned with water...
- Flexible...
- -40° to 150° F (-40° to 66°C) service temperature range...

**Benefits**

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

**Where to Use  
Hydrocide® 600, 700  
and 700B**

- Exterior surfaces below grade
- Faces of cavity walls
- Bonds polystyrene insulation to many substrates
- Exterior grade gypsum board

**How to Apply Hydrocide® 600, 700, and 700B****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**

Hydrocide® 700 is applied with a trowel. Hydrocide® 600 and 700B are applied 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 to 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.

**Exterior surfaces below grade—porous surfaces**

Three alternate techniques are equally effective.

**1 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.

**2 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.

**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 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**

**1** Hydrocide® 600, 700, and 700B may be used individually or in combination for dampproofing the exterior face of interior walls in cavity wall construction.

**2** 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.

**3** Allow to set. If walls are to receive hard wall plaster, use furring strips or metal lath.

**4** 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**

- Protect from rain until coating has set.
- ASA specifications require furring or lath or similar design features to ensure absolute adhesion of plaster.
- Keep from freezing in the container.
- Hydrocide products should be protected or covered within 7 days of application.
- 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.
- Do not use Hydrocide® 700 and 700B as plaster-bonds on ceilings or under Portland cement mixes on ceilings.
- Hydrocide® products should not be exposed to long-term UV.
- Make certain the most current version of this data guide is being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Not intended as a waterproofing membrane. Refer to HLM® 5000 (Form No. 1017900).
- Proper application is the responsibility of the user. Field visits by ChemRex® personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

## Technical Data

### Compliances

- Hydrocide® 600 complies with ASTM D 1187, Type 1, and ASTM D 1227-95, Type 3, Class I.
- Hydrocide® 700 complies with ASTM D 1227-95, Type 2, Class I and ASTM D 1187, Type 1.
- Hydrocide® 700B complies with ASTM D 1227-95, Type 2, Class I, and ASTM D 1187, Type 1.

### Typical Properties

	% Solids by volume	% Solids by weight
Hydrocide® 600	50	52
Hydrocide® 700	52	54
Hydrocide® 700B	51	53

Viscosity	Result	Method
Hydrocide® 600, KU	95 - 105	Stormer
Hydrocide® 700	325 - 335	Penetrometer, 16 oz. cup, 150 g. weight
Hydrocide® 700B, KU	110 - 120	Stormer

## Order Information

	55 Gallon Drums (208 L)	5 Gallon Cans (18.93 L)
Hydrocide® 600, lbs. (kg)		47 (21)
Hydrocide® 700, lbs. (kg)	520 (236)	47 (21)
Hydrocide® 700B, lbs. (kg)		47 (21)

- Hydrocide® 600: A nonfibrated asphalt emulsion dampproofing for application by brush or spray.
- Hydrocide® 700: Fibrated asphalt-emulsion dampproofing for application by trowel.
- Hydrocide® 700B: Asphalt emulsion similar to Hydrocide® 700, but reinforced with shorter fibers for brush or spray application.

Do not allow these materials to freeze in container; do not store below 35°F (2°C).

Shelf life is typically 1 year when stored in unopened containers under normal conditions.

### Coverage

Hydrocide® 600	70 - 100 sq. ft. per gallon per coat (1.72 - 2.45 m <sup>2</sup> /L)
Hydrocide® 700	1/16" wet film: 25 sq. ft. per gallon (1.6 mm wet film: 0.61 m <sup>2</sup> /L) 1/8" wet film: 12.5 sq. ft. per gallon (3 mm wet film: 0.31 m <sup>2</sup> /L)
Hydrocide® 700B	30 - 35 sq. ft. per gallon per coat (0.74 - 0.87 m <sup>2</sup> /L per coat)

## Caution

Hydrocide® 600, 700 and 700B contain asphalt, petroleum, silica, aluminum silicate

### 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 contains materials listed by the state of California as known to cause cancer and birth defects or other reproductive harm.

### VOC Content

Hydrocide® 600, 700, and 700B contain 30 g/L or 0.25 lbs. of VOC per gallon of coating less water and exempt solvents.

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

### Limited Warranty Notice

Every reasonable effort is made to apply ChemRex® 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, CHEMREX® MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and CHEMREX® 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 ChemRex® Technical Manager.



**Sonneborn®**

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