



1. PRODUCT NAME

WATERBAN® 50 P
WATERBAN® 50 SM
WATERBAN® 50 M

Asphalt dampproofing compounds that are solvent-based, asbestos-free, cold applied.

**SOLVENT BASED
 VOC 500 g/l.(4.2#/gal).**

2. MANUFACTURED FOR

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3. PRODUCT DESCRIPTION

Water that penetrates a concrete wall will either leak to the interior, remain concealed in the wall, or return to the exterior. When it is desirable to keep water from moving through concrete and when the water in contact with the concrete is not under pressure, dampproofing is the method most used to protect the concrete from moisture penetration. LAMBERT'S WATERBAN® dampproofing products reduce the transmission of water vapor through concrete. However, being a "breathing type" coating it does not stop water vapor entirely. It is desirable not to totally halt the passage of water vapor because if liquid water has somehow found its way into the concrete, dampproofing materials can allow it to escape slowly as water vapor. Dampproofing concrete is relatively low in cost compared with waterproofing concrete because of less product cost, less surface preparation, and a smaller thickness of material is used.

WATERBAN® 50 products are manufactured in 3 grades meeting the specific ASTM specifications listed. WATERBAN® solvent based asphalt products all contain a wetting agent to convert a naturally hydrophilic surface to a hydrophobic surface to assure proper coating adhesion. These asphalts are

cold applied bituminous dampproofing materials, each with a specific purpose and usage in the creation of a vapor barrier or protecting poured in place concrete and masonry block walls against dampness and moisture infiltration.

Advantages:

Cold applied, requires no heating of materials.

Excellent adhesion to concrete, masonry, and metal.

Does not get brittle in cold weather or run in hot weather.

Bridges over minor cracks/defects.

Protects metal against corrosion.

Basic Uses and Specifications:

WATERBAN® asphalt compounds are used to protect against the infiltration of dampness and moisture through concrete foundation walls and footings, retaining walls, parapets and fire walls, culverts cisterns and bridge abutments. These products will not crack under normal expansion or contraction. They offer a high vapor barrier efficiency and corrosion protection for metal.

WATERBAN® 50 P (Non-fibrated/Primer)

Non-fibrated solvent based asphalt for application by brush, roller, or spray. Product consistency is one of heavy paint. It is used as a vapor barrier, as a foundation coating, or as a primer for additional coats of other WATERBAN asphalt products. May be used below or above ground level.

Meets: ASTM D 4479-85, Type I
 ASTM D 41-85
 Fed. Spec. SS-A-701B
 AASHTO M-116-81

WATERBAN® 50 SM (Fibrated Semi-Mastic)

Fibrated solvent-based asphalt for application by brush, roller, or spray. Material is a semi-mastic paste consistency that will spread readily at temperatures above 50°F(10°C). It is asbestos free (contains fibers other than asbestos). May be used below or above ground level.

Meets: ASTM D 4479-85, Type I
 ASTM D 449-89, Type I
 Fed. Spec. SS-A-694-D
 Fed. Spec. SS-R-451

WATERBAN® 50 M (Fibrated Mastic)

Fibrated solvent-asphalt mastic that will spread readily and permit troweling smooth coatings. Material is a heavy mastic consistency. It is asbestos free (contains fibers other than asbestos). May be used below or above ground level.

Meets: ASTM D 4586-86, Type I
 Fed. Spec SS-C-153, Type I

WATERBAN® 50 series dampproofing products have a perm rating of 0.02 when applied according Section 6 of this spec-sheet and tested in accordance with ASTM E 96.

Composition and Materials

Mineral spirits, blown and steam distilled asphalts, plasticizers, non-asbestos fibers, and hydrous aluminum silicate.

4. TECHNICAL DATA

Percent Solids by Volume	44-54%
Percent Asphalt	40-48%
Minimum Cure Time	7 days
Percent Non-volatile	50-52%
Flash Point	110°F (43.3°C)
VOC	500 g/l. (4.2#/gal).
Weight per Gallon	8.6 pounds (3.9 kg)
Resistance to Solvents	Poor
Resistance to Sunlight	Good
Resistance to Mild Chemicals	Good
Viscosity @ 75°F (23.9°C)	
WATERBAN 50P	50-60 K.U.
WATERBAN 50SM	90-120 K.U.
WATERBAN 50M	110-130 K.U.

5. INSTALLATION

Surface Preparation: For best results surface should be dry and free of scale, loose mortar, rust, oil, grease, and foreign matter. Before application, fill voids, cracks and holes in concrete with cement mortar and allow to dry.

Equipment:

WATERBAN®50P: For application use roofers three-knot brush or spray. For spraying, use standard mastic-pump or Graco 10-1 President pump.

WATERBAN®50SM: For application use a wide soft bristled fiber brush, roofers three-knot brush, or spray. For spraying, use standard mastic-pump or Graco 10-1 President pump.

WATERBAN®50M: Application is by a regular plasterer's trowel.

Application:

Brush Application: Apply with even strokes, flowing the WATERBAN® on the surface to obtain a smooth, uniform film at the specified coverage rate.

Spray Application: Apply to large areas with standard mastic pump type equipment that is placed in material drum. Apply in one heavy coat at specified rate with a 50% overlap of spray pattern in order to obtain a uniform and continuous film.

Trowel Application: Apply WATERBAN 50M with a plasterer's trowel flowing it on the surface to obtain a uniform film.

Specific Applications:

Exterior Surfaces Above Grade Apply two coats WATERBAN®50P (allow first coat to dry or be tacky) or one coat of WATERBAN®50SM or 50M. Apply according to directions - Section 6. Coating must be continuous and free from breaks and pinholes. Spread the coating into and around all slots, joints, grooves.

Exterior Surfaces Below Grade: Apply WATERBAN®50P or 50SM in two coats allowing first coat to dry or be tacky or use one coat of WATERBAN®50M. Coating must be continuous and free from breaks and pinholes. Spread over exposed top and outside edge of footings. Cover around all slots, joints, and grooves, and into all reveals, soffits, chases and corners. Spread coating to a finish grade. Total wet film thickness should be a minimum of 1/8" (3.2 mm). Do not place earth backfill for at least 48 hours after application or damage membrane during backfill operation.

Exterior Surfaces Below Grade Parge

Coat Method: Apply a parge coat of cement mortar to the surface, spreading the coating from the bottom of the footings to grade forming a cove at the junction of the wall and footing. Water cure only. After parge coat has cured, apply two coats of WATERBAN®50P or 50SM or one coat of WATERBAN®50M as per Section 6. Total wet film thickness should be a minimum of 1/8" (3.2 mm). Do not damage membrane during backfill operation.

Interior Surfaces Above Grade (Vapor

Barrier: Apply WATERBAN®50P or 50SM in one coat spreading the coating into and around all slots, joints, grooves and at least 12"(305 mm) out on all adjoining partitions. Total wet film thickness should be a minimum of 1/16" (1.6 mm).

Metal - Rust and Corrosion Protection:

Strip surface of rust, scale, dirt, oil, grease, and foreign matter. Apply 2 coats of WATERBAN®50P or 50SM allowing first coat to dry or be tacky before second application. If WATERBAN®50M is used only one coat is necessary. The function of the WATERBAN®50 is to protect the metal from being attacked, corroded, etched or discolored by alkalis or moisture from brickwork or concrete. Total wet film thickness should be a minimum of 1/8" (3.2 mm).

Roofing: WATERBAN® can be used with felt for built-up type roofing. WATERBAN®50P has very good rust inhibiting and weathering qualities and can be applied as a coating over metal roofs. WATERBAN®50SM can be used as the final coating on most cold process roofs, especially on low slope roofs. It is particularly effective in unusually severe moisture conditions, such as valleys and low spots. Total wet film thickness should be a minimum of 1/8" (3.2 mm).

Special Applications Membrane Method:

Apply first coat of WATERBAN®50SM 1/16" (1.6 mm) by appropriate application method. Place specified membrane material vertically over surfaces of WATERBAN® making sure all edges are overlapped at least 3"(75 mm). Smooth membrane firmly into place and eliminate all wrinkles. Allow first coat to dry or be tacky. Apply second coat and allow to set. Do not place backfill for at least 48 hours (7 days if possible) after application. Do not damage membrane during backfill operation.

6. COVERAGE

WATERBAN®50 P (Spray Grade)*

For smooth, easy to coat surfaces, brush or spray apply a coat of WATERBAN®50P at a rate of 1.25 to 2 gallon per 100 square feet (0.5 to 0.8 litres/sq. m), depending on substrate texture, to produce a uniform, dry-film thickness of not less than 12 mils (0.3 mm). Apply a second coat, as specified above, after allowing 24 hours for first coat to dry. Apply double thickness of second coat where first application has failed to produce a smooth, shiny, impervious coat.

WATERBAN®50 SM (Semi Mastic)*

Brush or spray apply a coat of WATERBAN®50SM at a rate of 5 gal. per 100 square feet (2 litres/sq. m), to produce a uniform, dry-film thickness of not less than 30 mils (0.8 mm).

WATERBAN®50 M (Mastic)*

Trowel apply a coat of WATERBAN® mastic dampproofing onto substrate at a minimum rate of 7 gal. per 100 square feet (2.8 litres/sq. m) to produce an average dry-film thickness of 70 mils (1.8 mm) but not less than 30 mils (0.8 mm) at any point.

*Exact gallonage needed for individual areas cannot be predicted, however, general guidelines are listed. Quantity needed varies according to the porosity, type, roughness, and condition of surface.

Limitations

Temperature of substrate should be 50°F (10°C) and rising. Exposed surfaces must be protected from heat and direct sunlight until the WATERBAN® has set to prevent blistering. Surfaces freshly coated should be protected from heavy rains until the film has set. WATERBAN asphalt should not be use in areas where hydrostatic pressure is known to occur. Dampproofing asphalts should not be confused with elastomeric waterproofing systems.

After application, coated surfaces should be protected from heavy rain until the film has set, and protected from heat and sunlight until the WATERBAN® has dried, to prevent blistering. Surface must be at least 30 days old to allow for proper hydration and release of mineral salts. Never apply WATERBAN® where mineral salts (efflorescence) is present. The salts are not consider a sound bondable surface for WATERBAN®. These salt areas need to be sandblasted or acid etched to produce an acceptable sound and open substrate for bonding.

WATERBAN® is a breathing type coating and does not totally halt the passage of water vapor from within the concrete to the surface. Because of this migration, water vapor carrying salts will in some cases migrate through the WATERBAN® coating and leave a white crystalline deposit on the surface. This deposit is not detrimental to the performance of WATERBAN®.

If there is any likelihood that cracks may develop in the concrete later or the concrete may become subjected to a head of water, dampproofing should not be used and the concrete should be waterproofed with a system designed for those specific conditions.

Read MSDS sheet for handling instructions.

Clean Up

All equipment may be cleaned with lacquer thinner or mineral spirits while material is wet.

7. FIRST AID

CONTAINS ASPHALT: May be harmful if swallowed.

SKIN CONTACT: Wash thoroughly with soap and water.

EYE CONTACT: Flush thoroughly with clean water for 15 minutes. Call physician immediately.

IF SWALLOWED: Do not induce vomiting. Call physician.

8. PACKAGING

55 gallon (209 litre) DRUMS

5 gallon (19 litre) PAILS

9. WARRANTY NOTICE

DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY: LAMBERT CORPORATION, (Seller) warrants that if any goods supplied prove defective in workmanship or material, that Seller shall replace them or refund their purchase price. THIS WARRANTY IS MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND/OR FITNESS WHICH ARE HEREBY DISCLAIMED. IT IS UNDERSTOOD AND AGREED THAT BUYER'S SOLE REMEDY, AND THEREFORE SELLER'S LIABILITY, WHETHER IN CONTRACT, TORT, UNDER ANY WARRANTY, IN NEGLIGENCE, OR OTHERWISE SHALL BE LIMITED TO THE RETURN OF THE PURCHASE PRICE PAID BY PURCHASER OR REPLACEMENT OF ANY DEFECTIVE GOODS SOLD BY SELLER AND UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. THE PRICE STATED FOR THE GOODS IS A CONSIDERATION IN LIMITING SELLER'S LIABILITY. Any liability or risk resulting from the use of this product is assumed by the PURCHASER/USER except where a specific warranty is provided by the manufacturer in writing. Before application, the PURCHASER/USER shall determine the suitability of the product for his intended use and PURCHASER/USER assumes all liabilities and risks whatsoever in connection therewith. The terms of this WARRANTY NOTICE may not be orally modified. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF.

10. PRODUCT LIABILITY

LAMBERT CORPORATION products are designed to be used in the construction industry and should be applied by competent persons in accordance with current published instructions. Technical advice and recommendations as to the suitability of any WATERBAN® product for any particular use are made in good faith, however, we have no control over the conditions under which our products are transported to, stored, handled or used by the customer. We cannot be held responsible for difficulty caused by other materials and conditions, or by inferior workmanship. LAMBERT recommends that the customer satisfy themselves as to the product's actual suitability for its intended purpose.

LAMBERT reserves the right to have the true cause of any difficulty determined by accepted test methods by an independent party. Any claim regarding product defect must be received in writing 1 year from day of shipment. No claim will be considered without such written notice or after the specified time interval.