

# POLYGUARD 500 NF NON-FIBRATED EMULSION DAMPPROOFING

**DESCRIPTION:** *500 NF Emulsion Dampproofing* is a ready to use, solvent free, semi-mastic, asphalt emulsion dampproofing for application by brush or spray. Meets: ASTM D 1187, Type 1 and ASTM D 1227, Type III, class I.

**USES:** *Polyguard 500 NF Emulsion Dampproofing* coating provides a breathable moisture barrier used for dampproofing the exterior face of interior walls in cavity wall construction where negative vapor transmission is required. Designed for dampproofing the exterior surface of below grade walls and foundations, hollow cavity walls, foundation walls, lining interior of planters and other concrete or masonry surfaces. This emulsion is also an excellent protective coating for tank exteriors above or below grade.

- BENEFITS:**
1. VOC Compliant
  2. Bonds with "green" concrete or damp surfaces
  3. Crack Resistant and flexible under normal expansion and contraction.
  4. Nonflammable: not a fire risk during application
  5. Uncured material may be cleaned with water
  6. Asbestos free
  7. Bonds polystyrene insulation to many substrates

**PACKAGING:** 5 Gallon (18.9 liters) - 46 lbs.      55 Gallon (208 liters) - 506 lbs.

**APPLICATION INSTRUCTIONS: Surface Preparation:** Clean dirt, oil, water-repellent compounds, laitance and loose particles from surface. On concrete and concrete block walls, fill holes, cracks, and recessed mortar joints with cement mortar for a smooth, clean surface without depressions or projections. Scour with wire brush to at least 4" from both sides of fine cracks and corners. Dry surfaces must be dampened with water before applying. Keep surfaces damp ahead of application. Do not apply at temperatures less than 40°F. *NOTE:* Rain during application or before coating dries can wash the coating from the wall. Protect exposed surfaces as much as possible. Do not allow coating in pail to freeze.

**Application Method:** Stir coating thoroughly. Apply with a soft bristle brush or heavy-duty spray equipment. For best results keep brush strokes in one direction and apply additional coats at a right angle to the former coat. Avoid excessive brushing. For spary application use a 9-1 ratio pump capable of delivering 3-5 gallons per minute, and a pole gun with 1/8" - 1/4" tip. A 3/4" I.D. material hose and 1/2" I.D. air hose from the pump to gun is preferred for most applications. Consult the spray equipment manufacturer for more information.

**Interior Surfaces Above Grade - Breathable Moisture Barrier:** Apply *Polyguard 500 NF Emulsion Dampproofing* in 1 coat, 75 sq. ft. per gallon carrying the coating in and around all joints, grooves and slots, following all reveals and soffits of windows and continuing 12" out on adjoining partitions and soffits. Allow to set. If walls are to receive hard wall plaster, use furring strips or metal lath.

**Dampproofing of Exterior Surfaces Below Grade - Dense Surfaces:** For dense concrete surfaces a single coat of *Polyguard 500 NF Emulsion Dampproofing* approximately 1/16" in thickness is generally adequate. If applying by sprayer or for severe conditions, two coats are preferable. Apply each coat at 75 - 100 sq. ft. per gallon allowing first coat to dry completely before applying second coat. 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.

**Dampproofing of Exterior Surfaces Below Grade - Porous Surfaces:**

1. Two Coat System: Apply a prime coat of *Polyguard 500 NF Emulsion Dampproofing*, cut 20% by volume with clean water, over entire prepared surface. Apply the prime coat at a rate of 1.5 gal. Per 100 sq. ft. Allow prime coat to dry tacky to touch and apply an additional coat of *Polyguard 500 NF Emulsion Dampproofing* as described in dense surface instructions.

2. 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. Apply 1 to 2 coats of *Polyguard 500 NF Emulsion Dampproofing* as described under Dense Surfaces instructions. Allow to set and then backfill as described below.

# Polyguard

This Information is based on our best knowledge, but  
POLYGUARD cannot guarantee the results to be obtained.

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Polyguard has been ISO 9000 certified since 1996. Current certifications are:  
- American Nair. Standards Institute  
- Dutch Council for Certification  
- Deutscher Akkreditierungs Rat

**Backfilling:** Do not place backfill for at least 24 to 48 hours after application, but within 7 days. Place backfill in a manner that will not rupture or damage the film or displace the coating or membranes. **Polyguard Asphaltic Protection Board** may be required. Consult Polyguard for specific recommendations.

**CLEAN UP:** Fresh coating can be removed with water. Use kerosene, paint thinner or mineral spirits if material has started to dry. Keep brushes in water when not in use. CAUTION: close container after each use. DO NOT TAKE INTERNALLY! Use protective measures to avoid contact with eyes and skin. If swallowed, CALL PHYSICIAN IMMEDIATELY! In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION! KEEP OUT OF REACH OF CHILDREN.

**CAUTION:** **Contains:** Asphalt, clay, water, cellulose **Risks:** May cause eye irritation. Repeated or prolonged contact may cause skin irritation. Ingestion may cause nausea and vomiting. **Intentional misuse by deliberate inhalation may be harmful or fatal.** **Precautions:** Prevent contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapors. Keep container closed. Use only with adequate ventilation. DO NOT take internally. Use impervious gloves, goggles and if the TLV is exceeded or use is performed in poorly ventilated area. Use NIOSH/MSHA approved respiratory protection in accordance with applicable laws and regulations. Dispose of empty containers properly or have them commercially cleaned before reusing.

**First Aid:** In case of skin contact, wash affected areas with soap and water. In case of eye contact flush thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention. Remove and wash contaminated clothing. If inhalation effects occur remove to fresh air and administer oxygen if breathing is difficult. Give artificial respiration immediately if breathing ceases and seek medical help. If swallowed, SEEK MEDICAL HELP IMMEDIATELY.

**LIMITED WARRANTY:** This material is offered for sale by **POLYGUARD PRODUCTS, INC.** Polyguard warrants only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. Polyguard will replace at no charge any product proved to be defective within 1 year of date of sale, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product.

**DISCLAIMER OF WARRANTIES:** This warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY or fitness for a particular purpose, and we, the supplier, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise.

**MATERIAL SAFETY DATA:** All Material Safety Data Sheets and precautionary labels should be read and understood by all user supervisory personnel and employees before using. Consult **POLYGUARD PRODUCTS, INC.'s** Material Safety Data Sheets and OSHA regulations for additional safety and health information for the products described herein. Purchaser is responsible for complying with all applicable Federal, State or local laws and regulations covering use of the product including waste disposal.

This is not a Material Safety Data Sheet and is not to be used as such. **POLYGUARD** has prepared separate Material Safety Data Sheets on each product.

**TECHNICAL SERVICE AND AVAILABILITY:** Technical assistance, information and **POLYGUARD** products are available through a nationwide network of distributors and architectural representatives.

This product is not covered by Polyguard Products ISO 9001 certification.

TYPICAL PHYSICAL PROPERTIES	
<b>WT/Gall.</b>	8.9 Lbs.
<b>Typical Solids</b>	45 WT %
<b>Drying Time:</b>	1/8" Film (normal conditions)
<b>Touch:</b>	8 hours
<b>Firm:</b>	24 hours
<b>Wet:</b>	Non-flammable
<b>Consistency:</b>	Brush or Spray
<b>Coverage:</b>	Apply at rate of 75 - 100 sq. ft per gallon per coat for 1/16" wet film thickness Depending on texture and porosity of surface.
<b>Maximum VOC:</b>	0 grams/liter