

Product Description

TruDry™ is a polymer modified asphalt emulsion developed for use as a below grade waterproofing barrier. TruDry's outstanding adhesion, low vapor permeance and elongation up to 1850% make it a great choice for waterproofing applications. Some typical applications include waterproofing residential basements and crawl spaces.

The addition of rubber polymer to the base emulsion enables the membrane to:

- Elongate up to 1850% Min.
- Bridge shrinkage cracks (up to 1/16")
- Control water migration between the coating and application surface (localize leaks)
- Impede water at high heads due to improved water vapor permeance
- Comply with EPA Model Standard for radon control in new home construction
- Self-heal

TruDry is manufactured to the highest quality control standards and in accordance with ISO 9001 requirements. ISO certification ensures that each gallon produced meets the highest quality control standards in the industry.

TruDry is compatible with a wide range of insulation, drainage and protection products. Your applicator can design the waterproofing solutions best suited to each project's specific application requirements and budgetary constraints.

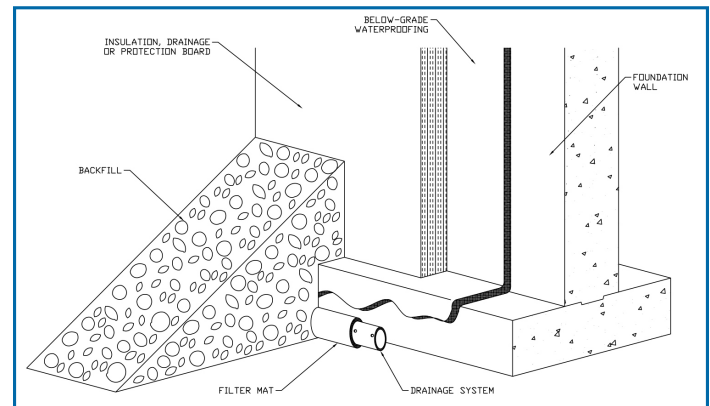
Installation

Preparatory Work: The walls and footings must be dry and of sufficient strength and design to ensure structural integrity. Concrete wall and mortar joints must cure a minimum 16 hours before TruDry is applied. Foundation design using concrete blocks should fall within guidelines established by the National Concrete Masonry Association and be acceptable to the local building code enforcement agency. Remove dirt and debris from the walls and footings with a stiff brush or broom. Scrape any loose mortar and debris from the walls and footings with a metal scraper. Do not apply TruDry over standing water. Repair any cracks in excess of 1/16" along the footings or in the wall surface and all honeycombed areas with a non shrinking grout. Fill all voids around tie holes, recessed ties and other small voids with an acceptable fiber reinforced asphalt roofing cement or cementitious repair material.

Membrane Installation: After the wall and footing surfaces have been properly prepared, spray, roller or brush apply TruDry over the entire wall surface (to the designated grade line) and along the perimeter. Particular emphasis should be paid to wall joints and the joint between the walls and footings. TruDry is applied at a rate of 20–25 sq. ft. per gallon in residential applications and to the specified rate in commercial applications. A two pass application is generally recommended to ensure sufficient dry mil thickness without excessive running or puddling. To ensure a smooth, consistent spray pattern, warm the material to 100–130°F immediately prior to spraying.

Protection, drainage or insulation board is typically installed over TruDry to protect the membrane from damage by the backfill, to assist in draining water away from the foundation and/or to insulate the foundation wall. The insulation/protection course is not required by code in residential applications. It is recommended for commercial waterproofing applications. TruDry is compatible with a wide range of insulation and protection boards including, but not limited to rigid fiberglass insulation/protection board, extruded polystyrene insulation and sheet drain materials. Any question regarding the compatibility of TruDry with a specific insulation/protection board or drainage board should be directed to the HouseGuard Technical Department.

Drain tile or strip drain must be installed as per the manufacturer's instructions to ensure proper removal of water from the foundation walls and footings.



Backfill must be graded to direct surface water away from the exterior foundation walls.

Additional Procedures for Poured Concrete Walls:

TruDry can be applied immediately after the forms have been removed. Remove wall ties prior to application. Fill any large voids and tie holes with a non-shrinking grout or asphalt based cement. Do not apply to frozen concrete.

Additional Procedures for Concrete Block Walls: Mortar joints must be made flush to provide a void free bonding surface. TruDry will adhere to both parged and unparged concrete block walls. Due to the porous nature of unparged concrete block walls, additional material may be required to achieve the specified dry mil thickness. The mortar must be Type M or Type S as specified by ASTM C-270-91 a (Specification for Mortar for Unit Masonry, ASTM Vol. 04.01 and 04.05). Allow the mortar joints to cure a minimum 16 hours prior to applying waterproofing.

Spray Equipment Recommendations: Gasoline powered, airless spray units with a minimum 4,000 p.s.i. rating will effectively spray any TruDry waterproofing product. For efficient spraying, use a heat exchanger to warm product to 100–130°F immediately prior to spraying. A reverse-a-clean spray tip with an orifice between .029

and .035 is recommended for spraying TruDry. Most spray systems utilize 150' of hose. Use ½ inch, 5,400 p.s.i. rated hose for the first 100 feet. Use 3/8 inch, 4,700 p.s.i. rated hose for the next 50 feet. A 4 foot, ¼ inch whip line is used immediately before the spray gun to facilitate spraying. Do not mix water and solvent based materials in the hose lines. Clean lines with mineral spirits before switching materials. Clean spray equipment with mineral spirits.

Storage & Handling

Store materials in a dry area and protect from direct sunlight. Ideally, the materials should be stored inside in a temperature controlled environment (interior temperatures between 60–80°F). Do not allow TruDry to freeze. Any materials exposed to the elements should be elevated above the ground and covered by a tarpaulin. Materials should not be exposed to excessive heat or direct flame.

TruDry should not be applied during inclement weather and the installation should not proceed in the event that precipitation is probable during the application. Consult your local HouseGuard representative for application recommendations when application temperatures are less than 20°F. Store waterproofing materials at room temperature until immediately prior to use when the ambient temperature is less than 40°F. Discontinue application if the material can not be stored at temperatures which permit even distribution of product. Avoid inhaling the spray mist and take precautions to ensure adequate ventilation. Consult the product SDS prior to spraying.

Warranty

HouseGuard warrants its material for 10 years and its system applications for a period of up to 30 years provided our materials are applied in accordance with the published specifications in effect at the time of installation. For specific warranty terms and conditions, contact your local representative.

TECHNICAL SERVICES | PRODUCT SPECIFICATIONS

Type: Polymer modified asphalt waterproofing membrane

Color	Black
Solids	64% +/- 5% (by weight)
Application	Brush, Roller, Spray
Application Rate	22.5 ft.2/gal. (0.56 m2/L)
Elongation (ASTM D412)	1850% Min.
Weight	8.5 lbs. per gallon(1.02 gal./cu. cm.)
Flash Point	N/A
Viscosity @ 77°F (25°C)	200 grams
Drying Time @ 77°F (25° C)	4 hrs. to touch
Shelf Life	1 year

SHIPPING INFORMATION

Proper Shipping Name:	Non-regulated material Water-based asphalt emulsion
Hazard Class:	Not Applicable
Identification:	Not Applicable
Packaging Group:	Not Applicable

NOTE: Applies to DOT-U.S./ MOT-CANADA/INT'L (ALL MODES).

CAUTION: PLM-100 is a water-based material. KEEP FROM FREEZING DURING TRANSIT AND STORAGE.

May help to contribute to LEED® credits:

EA Credit 1:	Optimize Energy Performance
EQ Credit 3.1:	Construction IAQ Management Plan: During Construction
EQ Credit 4.2:	Low Emitting Materials: Paints and Coatings
MR Credit 5.1:	Regional Materials: 10% Extracted, Processed and Manufactured Regionally
MR Credit 5.2:	Regional Materials: 20% Extracted, Processed and Manufactured Regionally