

Product Data

SureDry 4000 Waterproofing

PURE ASPHALT

MANUFACTURER OF SPECIALTY COATINGS SINCE 1927

3455 W. 31ST Place

Chicago, IL 60623

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www.suredrywaterproofing.com

DESCRIPTION

No. 4000 is a fluid applied, single component, polymer modified asphalt emulsion. It is a heavy bodied polymer modified asphalt protective coating, which forms a dried film that is a smooth, tough, rubber membrane. It resists penetration of water and will not become brittle at low temperatures. The durable film bonds tightly to most clean and firm surfaces. No. 4000 can be applied to poured concrete foundations and parged concrete block.

No. 4000 is a fortified elastomeric membrane, which can be applied over any substrate. Its permanent elasticity allows it to move with created expansion and contraction of wall surfaces. No. 4000 will not become brittle, evaporate or lose its waterproofing ability.

PREPARATION:

- A) The walls and footings must be of sufficient strength and design to ensure structural integrity. Mortar joints must cure a minimum of 16 hours before No. 4000 is applied.
- B) Remove dirt and debris from the footings and walls with a stiff brush or broom. Scrape any debris from the walls and footings with a metal scraper. Do not apply waterproofing materials over standing water or when rain is imminent.
- C) Repair any cracks in excess of 1/16th inch along the footings or in the wall surface and all honeycombed surfaces with a non-shrinking grout.
- D) Fill voids around tie holes, recessed ties and other small voids with Pure Asphalt's No. 66 Asphalt Plastic Cement or a suitable cementitious repair material.
- E) No. 4000 can be spray-applied over damp or green concrete. However, this product must not be applied over standing water or a water film, or over ice or snow.

APPLICATION

No. 4000 can be applied to surfaces down to 20°F. Material temperature at application must be between 115°F and 140°F. Do not exceed 150°F. To ensure proper temperature at the spray gun, insulate the lines and the pump housing of the spray apparatus. When spraying below 50°F, ambient temperature, it is highly recommended to have your equipment and material enclosed in a heated compartment. Spray No. 4000 in a pressure range between 1300 and 1800 pounds per square inch (psi). For best results, use a 0.35" to 0.39" spray tip. No. 4000 Waterproofing

should be applied to a minimum of 60 mils wet. This will cure to a dry film thickness of 40 mils. Use a wet film mil gauge to ensure proper application thickness. For poured concrete walls, a maximum coverage rate of 25 ft/per gallon will yield the desired wet mil thickness at application. For best results, apply No. 4000 using a two-coat technique. Spray the first tack coat horizontally along the entire length of the wall. Spray the second coverage coat vertically to the required wet mil thickness. This technique will help to optimize the coverage rate and ensure a uniform mil thickness.

USE

No. 4000 is recommended for waterproofing basement walls, and can be applied over most any wall, poured concrete or parged masonry.

CURING AND BACKFILLING

Foundations coated with No. 4000 should be allowed to cure at least 24 to 48 hours, or longer if ambient temperatures are below 45°F and/or if humidity is 80% RH or above. Make sure the membrane is cured before installing drain tile and gravel (unless the membrane is protected by foundation board at least 24 inches up from the footer) and backfilling. Use clean fill materials for backfilling. Avoid backfilling with sharp, angular rocks, any rocks bigger than a softball, and any materials that may puncture the waterproofing membrane.

ADVANTAGES:

Can be spray applied to any desired thickness • Permanent elasticity and temperatures • Elasticity is maintained after years of constant immersion • Reduces maintenance cost • Economical, fast set-up, easily applied

CLEAN UP

Equipment and brushes may be cleaned up by using suitable solvents such as mineral spirits, kerosene or petroleum naphtha. Care should be used in handling these solvents.

WARRANTIES AVAILABLE

Fifteen (15) year Membrane Only material warranty.
Thirty (30) year material for SureDry 4000 System, membrane & board.

Properties & Specifications

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REFERENCE: ICC-ES Report #22-16.

Legacy Report under BOCA National Building Code 1999 and AC-29 subsequent revisions

PHYSICAL PROPERTIES	TEST METHOD
Total solids: 62% +/- 2% RESULT: EXCEEDS/PASSES	ASTM C 836-06
Weight./Gal.: 8.1 +/- .3 lbs.	
Applications Temp. 20°F and above	
Appearance, Dry Film: RESULT: Glossy black, smooth, free from checks and cracks	
Suspendability:	RESULT: Good
Shelf Life: RESULT: Remains satisfactory in closed air tight container for one year.	
Coverage: RESULT: 25 to 35 square feet per gallon	
Drying time @ 70°F: RESULT: Touch in 4 hours & firm in 24 hours.	
Elongation: RESULT: 1500%	ASTM D-412
Emulsified Bitumens Used as Protective Coatings RESULT: NO BLISTERING OR REEMULSIFICATION	ASTM D 2939-03
Water Transmission of Materials RESULT: .028 PERMS	ASTM E 96-05
Hydrostatic Pressure Resistance RESULT: NO WATER PENETRATION/INFILTRATION	ASTM C 1306-08
Water Vapor Retarders used in Contact with walls RESULT: GOOD	ASTM E 154-99