

HydroSeal[®] 1K Epoxy Primer



GENERAL DESCRIPTION

HydroSeal 1K Epoxy Primer is a low odor, low VOC, two part, red in color epoxy-based primer (Resin – Part A, and an activator – Part B).

BASIC USE

HydroSeal 1K Epoxy Primer is used on most common substrates where HydroSeal 1K PU Membrane is to be applied. Suitable for use on most sound substrates including concrete, masonry, plywood, metal, and bitumen-based membranes such as Monolithic Membrane 6125[®].

APPLICATION

- The product can be applied at ambient temperatures between 41°F (5°C) – 95°F (35°C) with relative humidity of less than or equal to 80%. The temperature of the substrate must also be at least 5°F above the dew point temperature.
- Substrate moisture content must be equal to or less than 4% with no rising moisture when tested in accordance with ASTM D4263.
- Substrate surfaces shall be clean, dry and sound.
- Thoroughly premix Part A. Add Part B to Part A and mix using a mechanical mixer at low speed. Avoid introducing air while mixing. The mixing ratio is 3:1 (A:B) by weight and volume. Avoid mixing partial quantities. When fully mixed, the primer should be free from streaks and of a uniform red color.
- Once mixed, the working time is roughly 45 minutes.
- After mixing, apply the product to the clean and prepared substrate at the required coverage rates (see below) using a brush or phenolic resin core roller. The resin should be spread evenly onto the surface without puddling.
- Allow HydroSeal 1K Epoxy Primer to fully cure before applying HydroSeal 1K PU Membrane. The cure time will vary between 6 to 12 hours depending on ambient conditions, with heat and humidity accelerating the curing process. Ideally, HydroSeal 1K Membrane should be applied within 24 hours of primer application. If the primer is exposed longer than 72 hours and/or gets wet while curing, it may have a chalky appearance and must be mechanically removed and the substrate must be reprimed.

PACKAGING/SIZES/COVERAGE

HydroSeal 1K Epoxy Primer is supplied in two boxes, Part A and Part B. Part A box contains two 0.75 gal. pails and Part B contains two 0.25 gal. pails. Total 2 gal. will cover approximately 300-400 square feet. Yield will vary depending on the smoothness and absorbency of the substrate. Always store in a cool and dry location. Do not store in direct sunlight or in temperatures below 40°F (2°C) or above 95°F (35°C). Condition product between 50°F (10°C) and 77°F (25°C) before using for ease of application. Approximate shelf life is 12 months when left sealed, unmixed and stored properly.

Approximate coverage rates:

- Smooth/non-absorbent substrates (such as metal): 250 sqft per gal.
- Fine grained substrates (such as concrete): 200 sqft per gal.
- Rough substrates (such as granulated surface modified bitumen sheet): 75-100 sqft/gal

PRECAUTIONS

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the current Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current Safety Data Sheets before using any products.

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)		
Manufacture Location		
Extraction/Harvesting Location		
VOC Content (g/L)		

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