



TDS

MSD OIL BLOCKING PRIMER

MSD OIL BLOCKING PRIMER is a two-component solvent-based epoxy coating that exhibits excellent characteristics for coating over petroleum-based oil-contaminated concrete. **MSD OIL BLOCKING PRIMER** provides excellent substrate penetration, which results in excellent adhesion, and is an ideal primer for the oil-contaminated concrete substrate.

RECOMMENDED USES

Petroleum oil-contaminated substrates.

Not recommended for vegetable oil, animal fat, or synthetic oil-contaminated concrete.

APPLICATION

Surface Preparation:

Specific surface preparation will vary according to the chosen system being applied. Ensure you refer to the TDS/SDS of each product you intend to use on this project. Make certain that the substrate where the **MSD OIL BLOCKING PRIMER** is to be applied is thoroughly cleaned, secure, and free of all dirt, dust, oil, grease, or foreign contaminants. The floor must also be completely dry prior to application. Shot blasting is not recommended as it tends to open oil-filled pores that will be detrimental to the application process. The method of cleaning an oil-soaked floor is best determined on a job-to-job basis. Some recommended options include solvent cleaning, steam cleaning, and water emulsion cleaners.

Mixing:

This product has a one-to-one mix ratio by volume - simply mix equal volumes. After the two parts are combined, mix thoroughly with a slow-speed mixer until streak free. *Note: Improper mixing will likely result in product failure.*

Application:

NOTE: THIS COATING SHOULD NOT BE APPLIED UNTIL A SAMPLE PATCH HAS BEEN TESTED AND THOROUGHLY EVALUATED FOR SUITABILITY. Be sure that the floor and air temperature are between 55° and 90° F. Preferably; the relative humidity should be below 90%. This product ought to be applied by a roller or brush at 5 - 8 mils thick (wet).

Note: Too thick of an application may result in product failure.



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APPLICATION

Primer:

None required

Cleaning:

Xylol

Restrictions:

It is recommended to restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see specifications below for cure times). It is best to keep the floor dry for the entire cure cycle. Dependent on the actual complete system application, the surface may be slippery, especially when wet or contaminated; keep the surface clean and dry.

Limitations:

- For best results, use a high-quality 3/8" nap roller. Slab on grade requires moisture barrier. The substrate temperature must be 5°F above the dew point.
- New concrete must cure for at least 30 days prior to application.
- Cured product color may vary slightly from batch to batch.
- It is recommended to apply a test patch prior to using it to determine the suitability and adhesion characteristics.

SPECIFICATIONS

Product Storage: Room temperature.

Solids by Weight: Mixed= 71.5% (+,-2%)

Solids by Volume: Mixed= 63% (+,- 2%)

VOC: Part A= 2.5 pounds per gallon;

Part B= 2.75 pounds per gallon

Mixed VOC < 330 g/L

Colors: Black only

Recommended Thickness:

5-8 mils (wet)

3-5 mils (dry)

Coverage:

200-320 square feet @ 5-8 mils wet thickness

Packaging:

2 gallon and 10-gallon kits (volumes approx.),

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SPECIFICATIONS

Mixing Ratio: 1 A : 1 B (by volume)

Shelf Life: One year

Abrasion Resistance: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 37.0 mg loss

Flexibility: No cracks on a 1/8" mandrel

Finish: Satin Gloss (40-60 at 60° @ gloss meter)

Viscosity: Mixed = 150-300 cps

DOT Classifications:

- Part A "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"
- Part B "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"

Impact Resistance: Gardner Impact, direct= 50 in. lb (passed)

CURE SCHEDULE (70 Degrees F)

Pot Life (2 Gallon Volume)	2-4 hours
Tack Free (Dry to Touch)	2-4 hours
Recoat or Topcoat	4-8 hours
Light Foot Traffic	16-24 hours
Full Cure (Heavy Traffic)	2-7 days
Application Temperature: 55-90 degrees F	

CHEMICAL RESISTANCE

Acetic Acid 5%	A
Xylene	B
Toluene	B
1,1,1 trichloroethane	A
MEK	A
Gasoline	B
10% Sodium Hydroxide	E
50% Sodium Hydroxide	D
10% Sulfuric	C
10% Hydrochloric acid	C
20% Nitric Acid	A
Ethylene Glycol	C

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.