



DC520 Oil Stop Primer

PRIMER

PRODUCT DESCRIPTION:

Epic DC520 Oil Stop Primer is designed to be used on substrates which are contaminated with petroleum based products. This product is scientifically developed to penetrate deeply into the substrate, effectively blocking oil from rising to the surface and creating excellent adhesion and compatibility with any materials which are applied upon its surface. DC520 can withstand exposure to many common solvents and chemicals.

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
Acetic Acid 5%	A
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.	

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	

SOLIDS BY VOLUME: Mixed= 63% (+, - 2%)

VOLATILE ORGANIC CONTENT: Part A= 2.5 pounds per gallon; Part B= 2.75 pounds per gallon Mixed VOC < 330 g/L

COLOR: Black

RECOMMENDED FILM THICKNESS: 5-8 mils per coat (wet thickness) 3-5 mils dry

COVERAGE PER GALLON: 200-320 square feet @ 5-8 mils wet thickness

PACKAGING INFORMATION

2 gallon and 10 gallon kits (volumes approx.),
2 gal kit= 1 gallon part A (10.05#/gal) and 1 gallon part B (8.6#/gal) (weights approximate)

MIX RATIO: 1 part A to 1 part B by volume

SHELF LIFE: 1 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 CHARACTERISTICS:

Satin gloss (40-60 at 60 degrees @ glossmeter)

VISCOSITY: Mixed = 150-300 cps (typical)

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)

TOPCOAT: Optional

SOLIDS BY WEIGHT: Mixed= 71.5% (+, -2%)

MIXING AND APPLICATION INSTRUCTIONS: DC520 Oil Stop Primer

PRODUCT STORAGE: Store product at normal room temperature. Continuous storage should be between 60 and 90 degree F.

SURFACE PREPARATION: Surface preparation will vary according to the type of complete system to be applied. Make certain that the substrate where the DC520 is to be applied is clean, sound and free of all laitance, dirt, dust, standing oil, grease, or foreign contaminants. Make certain that the floor is completely dry before application. It is often undesirable to shot blast a petroleum contaminated concrete surface unless the applicator is prepared to steam and solvent clean the area. Shot blasting 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 at the job location. However, solvent cleaning, steam cleaning, and water emulsion cleaners can all be considered. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

PRODUCT MIXING: This product has a one to one mix ratio by volume- merely mix equal volumes such as 1 gallon of part A to 1 gallon of part B. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until streak free. Improper mixing may result in product failure.

PRODUCT APPLICATION: Ensure the floor temperature and air temperature are between 55 and 90 degrees Fahrenheit. Preferably, the relative humidity should be below 90%. This product should be applied by roller or brush at five to eight mil thickness when wet. Too thick of an application may result in product failure. Always be sure to create a mockup or representative sample and evaluate results, prior to commencing full installation.

RECOAT OR TOPCOATING: After applying the DC520 and the coating has cured sufficiently, the applicator can then proceed with the top coat application of a leveling cement or other resinous coating products or systems. Allow sufficient time between all subsequent coats. As temperatures become lower all products will require additional time to cure. Read the individual technical data sheets for each product before proceeding.

LIMITATIONS

- Not intended for use over vegetable oil or animal fat contaminated concrete.
- For best results use a high quality 3/8" nap roller. Slab on grade requires a moisture barrier.
- Substrate temperature must be 5°F above dew point
- All new concrete must be cured for at least 30 days prior to application.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**