



DP200
Low Cost, High Abrasion,
Urethane Dissipative Coating



This dissipative floor paint is a latex coating ideally formulated for the electronic manufacturing environment. With consistent readings in the 10^6 - 10^8 ohms range, regardless of relative humidity, the DP200 completes the system by providing an effective fast and safe path to ground.

Topsail DP200 is ideal for difficult to ground items that can not be solved by conventional means, such as walls, furniture components, shipping containers, shelving systems, work stands, cabinets and racks. The DP200 will eliminate the hassle of cumbersome floor mats when applied to the work area floor. This coating is not dependent on relative humidity to function properly. Warm water and detergent will remove dirt and debris from cured DP200 floor paint.

Topsail DP200 is used in areas where a dissipative surface is desired for the grounding and neutralizing of static charges, especially on concrete or wood floors. Industries which would benefit from the features of this coating are manufacturing, cleanroom, automotive, pharmaceutical, medical, plastics, munitions and avionics. For better coverage on porous concrete surfaces, priming first with sealer (PS5700) is recommended.

- Dissipative – quickly drains static charges
- Durable – hard, abrasion resistant formulation
- Environmentally Friendly – no solvents
- Easy Application – apply with others
- Low VOC – water based, no amines or isocyanates
- Economical – low cost per square foot
- Aesthetic – neutral, light grey
- Easy Clean-Up - soap and water
- Resistivity – consistent 10^6 – 10^8 ohms reading
- 100% Polyurethane – one part

SPECIFICATIONS

Polymer:	Urethane	Solids:	Weight – 31.4%, Volume – 18.5%
Appearance:	Liquid	Coverage:	300-400 sq.ft. per gallon/mil
Density:	9.85 lbs./gal	VOC:	.99 lbs./gal (minus water), .21lbs./gal (as supplied)
pH:	8-9.0	RTT:	10^6 – 10^8 ohms (EOS/ESD 4.1, 7.1)
Charge Decay:	<.01 sec. FTMS 101C, M-4046	RTG:	10^6 – 10^8 ohms (EOS/ESD 4.1, 7.1)
Charge Generation:	Zero per ATTCC 134-1979		

PART NUMBER	SIZE	COLOR
DP200G-1	1 Gallon	Grey
DP200G-5	5 Gallon	Grey

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APPLICATION OF TOPSAIL URETHANE DISSIPATIVE COATING

DP200

FOR NEW CONCRETE FLOORS

ALWAYS APPLY A TEST PATCH PRIOR TO COATING LARGE AREAS

1. Clean and remove dirt/grease
2. Acid etch if necessary. If not, proceed to #6.
3. Rinse twice with clean water.
4. Allow to dry for at least 24 hours
5. Determine porosity of floor using porosity test*. Very dense, non-porous or treated concrete may require additional treatment.
6. If necessary apply PS-5700 primer-sealer. Test for concrete adhesion before applying paint.
7. Cure to All-Spec specifications
8. Check for dryness**
9. Clean dirt/grease from sealed concrete
10. Do not apply Topsail DP200 if room and floor temperature are less than 60° F. Always apply an adhesion test patch prior to coating large areas.
11. Use a ¼ cotton or polyester nap roller with a five foot extension handle. **THOROUGHLY MIX TOPSAIL DP200** with mixer or stirrer. Confirm that the conductive additives which may have settled are properly dispersed to assure the correct adhesion and conductivity. Pour a quantity of Topsail DP200 in a roller tray and completely wet the roller.
12. Apply in long continuous strokes assuring complete coverage.
13. Use a china white, nylon or animal hair fine bristle brush to paint hard to reach areas and trim.
14. Allow floor to dry overnight at not less than 60°F before walking (light foot traffic) on the surface.
15. After drying, test the floor with a surface resistivity meter. If the reading is greater than 10⁸ ohms per square and/or the readings are not within a decade of each other over five separate test spots, apply second coat of Topsail DP200.
16. Allow floor to dry 3 days (72 hours minimum) at not less than 60° F before allowing general industrial traffic.

FOR OLD CONCRETE FLOORS

ALWAYS APPLY A TEST PATCH PRIOR TO COATING LARGE AREAS.

NOTE: Simple cleaning may be insufficient to obtain maximum adhesion of Topsail DP200 to old concrete floors. Prior maintenance and exposure to poly-ethylene wax, silicone, and epoxy sealers, oil spills and other chemicals will adversely affect product performance.

1. If test patch is acceptable, follow instructions under "NEW CONCRETE FLOORS" starting at Step #3.
2. If test patch shows unacceptable adhesion after standing 14 days, proceed with the following:

Grit sand the concrete surface to remove all embedded sealers, waxes, floor polishes, oils, greases, brake fluids and chemical spills of any type.

NOTE: CONSULT YOUR CONCRETE CONTRACTOR FOR DETAILS ON PROPER EQUIPMENT AND PROCEDURES FOR FLOOR SANDING

After sanding, wash the floor with detergent and warm water then wet vacuum. RINSE TWICE. Allow floor to dry completely. Apply OHM-Shield PS5700 primer-sealer by following the application instructions. Apply another test patch. If adhesion is acceptable, proceed with Step #3 under "NEW CONCRETE FLOORS".

NOTE: FOR GLOSSIER APPEARANCE, APPLY OHM-SHIELD 5500 ACRYLIC FLOOR FINISH TO INCREASE GLOSS AND TO INCREASE THE ABRASION RESISTANCE.

SEE PRODUCT LABEL-MSDS FOR REGULAR SAFETY AND MAINTENANCE INSTRUCTIONS.

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*Porosity Test- Pour one ounce of water on floor. If water soaks in, the surface can be coated. If the water beads up then the surface must be abraded.

Dryness Test- Place a rubber mat on surface for 24 hours. After 24 hours, observe the bottom of mat. If it is dry apply the coating. If wet, apply a primer or sealer. ALWAYS WEAR PROTECTIVE GOGGLES.

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