



Ultra-Ever Dry is a superhydrophobic (water) and oleophobic (hydrocarbons) coating that will completely repel almost any liquid. Ultra-Ever Dry uses proprietary nanotechnology to coat an object and create a barrier of air on its surface. This barrier repels water, oil and other liquids unlike any coating seen before. The other breakthrough associated with Ultra-Ever Dry is the superior adhesion and abrasion resistance, compared to previous technologies, allowing it to be used in all kinds of applications where durability is required.



MUD TEST: Untreated boot (R) and boot sprayed with Ultra-Ever Dry (L).
(Video available - See Back)



FEATURES & BENEFITS

- **Anti-Wetting** - Keeps objects dry, water and many other liquids simply repel off.
- **Anti-Corrosion** - Maximum corrosion protection since water and moisture never actually contact the base material.
- **Anti-Icing** - Keeps coated materials dry, eliminating the formation of ice.
- **Anti-Contamination** - Dust, dirt, water and other liquids that contain bacteria or radiation never actually contact the surface of the coated material so bacteria and radiation is greatly diminished or eliminated and easy to decontaminate to sterile, if needed.
- **Self-Cleaning** - The Ultra-Ever Dry repels dirty water and thick oils, and remains clean and virtually bacteria-free. When dust, dirt or other molecules accumulate on a coated surface, a light spray of water or a blast of air grabs the dust and removes it.
- **Product Life-Extending** - Many products fail from moisture, water, oil or simply getting too dirty for continued use. Use Ultra-Ever Dry to extend the life of work gloves and other PPE, electric motors by preventing moisture on the windings, coat nuts and bolts to prevent corrosion, coat tools, equipment, and virtually any item that needs to be kept dry, corrosion free, de-iced, uncontaminated or clean. Save money, provide greater safety and a cleaner work environment.

Ultra-Ever Dry® SE 7.6.110				
Part# Bottom Coat	Part# Top Coat	Size	Color	Average Coverage sq. ft. (sq. m)
4000	4001	1 Quart (0.95 L)	Translucent White	42 (4)
4002	4003	1 Gallon (3.8 L)	Translucent White	165 (15)
4004	4005	5 Gallons (19 L)	Translucent White	825 (77)
4006	4007	30 Gallons (110 L)	Translucent White	5,000 (465)
4008	4009	55 Gallons (210 L)	Translucent White	9,000 (836)
4100	Two Pump Sprayers, 48 oz. (1.4 L) each			
4101	Two Trigger Hand Sprayers, 1 qt. (946 mL) each			
4105	Personal Protective Equipment Kit (qty. 1), includes goggles, gloves, and respirator			

NOTE: Ultra-Ever Dry® is a two-part system. Both the bottom and top coat must be applied for the product to be effective.



Cinder block test with food coloring and water.

UNTREATED

ULTRA-EVER DRY FREQUENTLY ASKED QUESTIONS (FAQS)

1. What is the working temperature range for Ultra-Ever Dry SE 7.6.110?

The working temperature range for the product is from -30°F to 300°F (-34°C to 149°C) once it has been applied. It has been effective at temperatures up to 500°F, but we would recommend further testing for any application that will see temperatures above 300°F (260°C).

2. How long will Ultra-Ever Dry coating last?

Environmental conditions will affect duration and these can vary. Abrasion is the leading cause of reduction in the coating's life. Under non-abrasive, static conditions, you should expect to see many years of outdoor service. Indoor applications will exceed that of outdoor applications.

3. What materials will the Ultra-Ever Dry adhere or bond to?

Almost any material is a candidate for application; steel, aluminum, other metals, plastic, leather, fabric, wood, concrete, etc.

4. How abrasion-resistant is Ultra-Ever Dry SE 7.6.110?

One of the breakthroughs for this product is its abrasion resistance. The proprietary material provides more abrasion resistance than previous superhydrophobic materials, registering a result of 110 on the Tabor Abrasion Method (ASTM D4060-10). If abrasion is a concern, testing is recommended. If the coating is removed due to abrasion, it can be reapplied by re-spraying.

5. Will the coating still work if the top coat is greatly reduced due to abrasion?

Yes. In many situations, the super-hydrophobic nature of the material may be diminished but the remaining top coat and bottom coat still provide the functionality of keeping the coated material from getting wet, iced-up or corroding. This is application dependent.

6. How many square feet or square meters can a gallon cover?

150 – 180 square feet or 14 -16 square meters.

7. How is Ultra-Ever Dry applied?

It is sprayed on using air sprayers, pump sprayers or even hand trigger sprayers. NOTE: Both parts (top and bottom coat) are required for all applications of Ultra-Ever Dry®

8. How long does Ultra-Ever Dry SE 7.6.110 take to cure?

Generally about 20 - 30 minutes for the bottom coat and 5-10 minutes for the top coat. This can be reduced by applying heat using an oven or an industrial heat gun or blow dryer.

9. What do the terms "superhydrophobic" and "oleophobic" mean?

Superhydrophobic refers to a coating that exhibits superior water repelling properties that exceeds 150 degrees of contact angle when measuring the sphere of a drop of water on the surface. Ultra-Ever Dry creates an angle of 165-175 degrees. Well-known windshield water repellents are closer to 110 degrees and are only "hydrophobic". Oleophobic refers to the ability to repel oil and other hydrocarbons.

10. What color is the coating?

The standard product is a translucent white. We do not have a transparent formula at this time. Custom colors are available upon request, minimums may apply. It is recommended to try the coating in an inconspicuous area first if color is important.

11. What is the shelf life of Ultra-Ever Dry and what temperature should it be stored at?

Typically, shelf life of the product will be one year when stored between 40°F and 90°F (4°C and 32°C).

12. Does UV affect Ultra-Ever Dry.

SE is resistant to UV between 5-7 years.

13. How chemically resistant is Ultra-Ever Dry?

As with most materials and coatings, this will depend on the chemical. In general, it is resistant to a wide range including most acids, caustics and refined oils. Testing may be required to ensure proper compatibility.

14. What chemicals will the material not work with?

Certain solvents, alcohols and soap/detergents will cause the surface of the coating to "wet-out". Once these chemicals are removed, the superhydrophobicity will generally return.

15. Is the coating corrosion resistant?

Yes, it can improve the corrosion resistance of steel by five to eight times.



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