

Ultra-Ever Dry

SURFACE PROTECTION

SPECIFICATIONS

REVISED 09.06.23



GENERAL DESCRIPTION

Ultra-Ever Dry™ Surface Protection is a two-part, air dry coating that is easily applied by spraying. The bottom coat is applied, allowed to dry for 30-60 minutes, and the top coat is then applied. The top coat usually requires about 15-30 minutes to dry.

It is suitable for indoor or outdoor use. The system offers superhydrophobic performance and has been shown to maintain a high level of performance under a variety of conditions and for extended time. The system is useful for non-wetting, anti-icing, self-cleaning, anti-bacteria and corrosion protection purposes.

FEATURES

The coating produces a matte-like, textured surface. The finish is translucent, with a slightly white haze. Ultra-Ever Dry™ Surface Protection top coat will appear white if applied heavily.

- **Superhydrophobic** – clean water and some water based liquids roll off the surface quickly and form a spherical droplet with a contact angle greater than 150 degrees.
- **Corrosion Resistance** – Repels water and some water based liquids that cause and accelerate corrosion. Extends life of equipment and other metallic assets.
- **Abrasion Resistance** – Abrasion will reduce or eliminate effectiveness. Ultra-Ever Dry has better abrasion resistance than most superhydrophobic coatings.

RECOMMENDED FOR

Woods, metals, glass, plastics, rubber, concrete, stone, over some paints and other coatings. Not recommended for use on acrylics due to the high solvent content in Ultra-Ever Dry™.

LIMITATIONS

- Excessive abrasion will lessen or eliminate superhydrophobic performance.
- Soaps, alcohols, and oils applied to surface will cause the surface to “wet-out”.
- The coating can be removed or its effectiveness diminished when solvents are applied to it.
- Exposure to ultraviolet (UV) light will reduce the coating longevity to one year or less.

SURFACE PREPARATION

Remove all oil, grease, dust, dirt, loose rust, and other foreign materials to ensure adequate adhesion of bottom coat. Abrade surface (by blasting/sanding up to 800 grit) for enhanced surface adhesion on smooth surfaces. Porous surfaces may require more bottom coat than top coat.

BEST USES

Include:

- **Anti-icing** applications where water approaches at relatively low velocities or pressures (prevent hanging ice).
- **Anti-wetting** applications to keep items dry and working.
- **Anti-corrosion** applications.
- **Self-cleaning** of surfaces during rain events or by washing with low-pressure water.
- **Anti-bacterial** – reduces the amount of bacteria on a surface.

Colors – Standard		Translucent White (not clear)
% Solids	Bottom Coat	≤ 17%
	Top Coat	≤ 4%
Mixing Time	Bottom Coat	5-10 minutes
	Top Coat	3-5 minutes
Coverage per gallon		250 sq ft. (23 m ²) at 0.5 mil (13 µm) dry thickness
Recommended thickness		0.5 to 1.0 mils dry per layer (13 to 25 µm)
Dry Time	Bottom Coat	30-60 min (standard) > 60 min (best performance)
	Top Coat	15-30 min (standard) Overnight (best performance)
	To Package	1-2 hours (standard)
Working temp		-30-300°F (-34°C - 149°C)
Surface application temp		50-90°F (10 – 32°C)
Flash point	Bottom Coat	10 °F (-12 °C)
	Top Coat	-4 °F (-20 °C)
Specific gravity	Bottom Coat	0.84
	Top Coat	0.80
Storage temp		40-115°F (4 – 46°C)
Shelf life		4 years @ 77°F (25°C)
Weatherability		Up to 12 months depending on UV intensity