



# DURAPEL™

## OVERVIEW

Durapel™ is the world's first durable superhydrophobic and icephobic coating. Durapel's patent pending formulation combines a unique system of silica nanoparticles with fluorosilane and three different binders for durability.

## SUBSTRATE

Can be applied on most hard surfaces including:

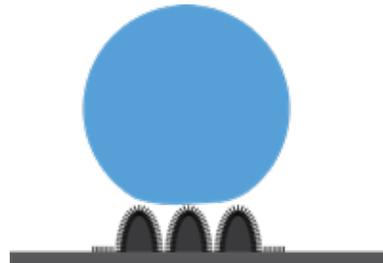
- ▶ Plastic
- ▶ Metals
- ▶ Glass
- ▶ Wood

## FEATURES

- ▶ Super Hydrophobic (contact angle greater than 160° degrees)
- ▶ Icephobic
- ▶ 2-part industrial and 1-part aerosol formulations available
- ▶ HVLP Spray/Dip/or Spin application
- ▶ Matte finish
- ▶ Curing can be done at room temperature or sped up with UV/high temp/ebeam
- ▶ Corrosion resistant

## Durability Test Results

| Tests                                    | Before           | After            |
|--|------------------|------------------|
| Cross-Hatch Tape (ASTM D3359)            | Superhydrophobic | Superhydrophobic |
| Taber Abrasion - 100 cycles (ASTM D4060) | Superhydrophobic | Hydrophobic      |
| Wind Tunnel (subsonic - 160 mph)         | Superhydrophobic | Superhydrophobic |
| Wind Tunnel (Supersonic Mach 3)          | Superhydrophobic | Superhydrophobic |



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T: +1.800.581.4528 | WWW.DRYWIRED.COM | SALES@DRYWIRED.COM  
9606 S. SANTA MONICA BLVD. PH BEVERLY HILLS, CA 90210