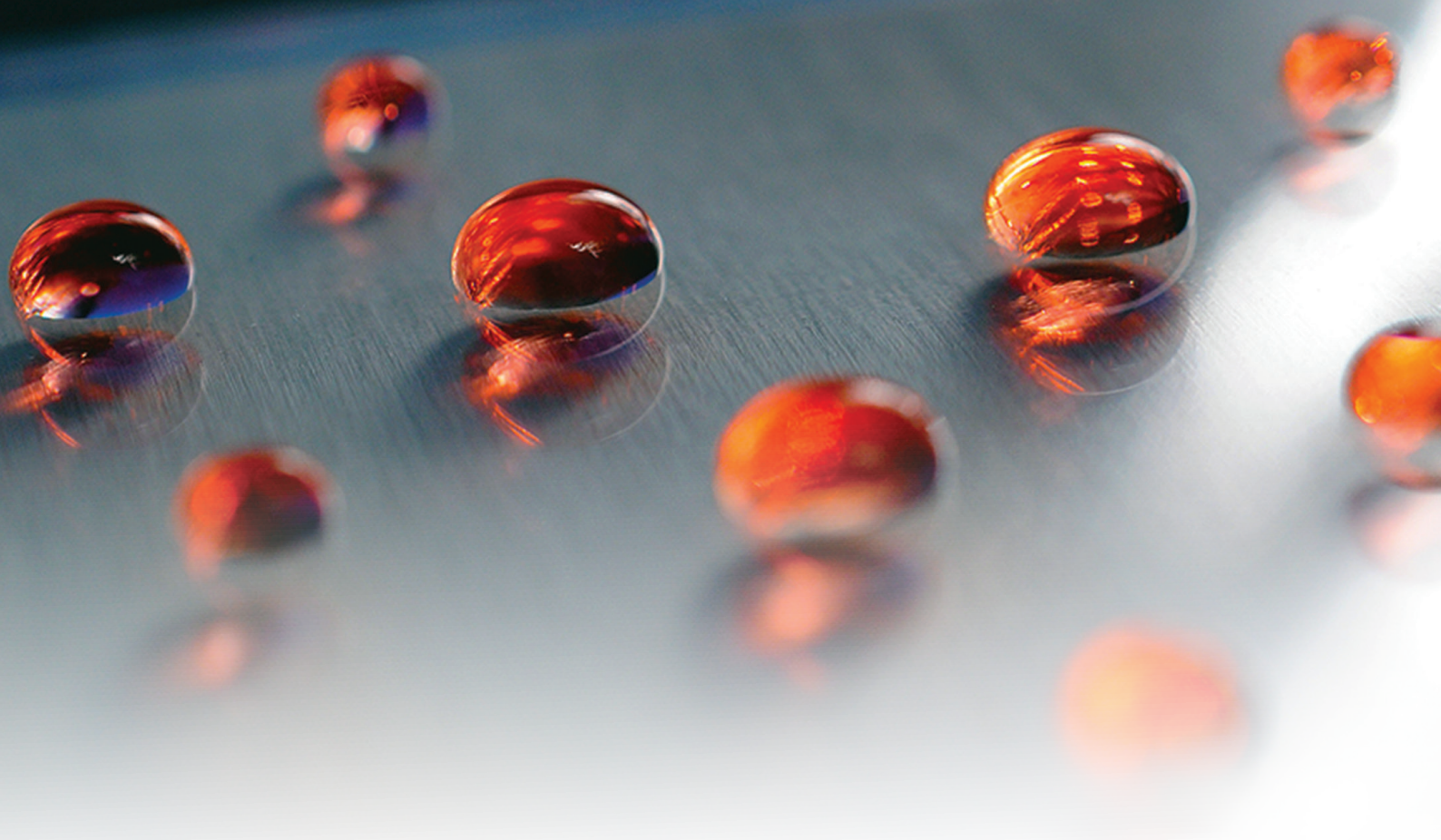


ANTI-WETTING • ANTI-CORROSION • ANTI-ICING • ANTI-CONTAMINATION • SELF-CLEANING • PRODUCT LIFE-EXTENDING

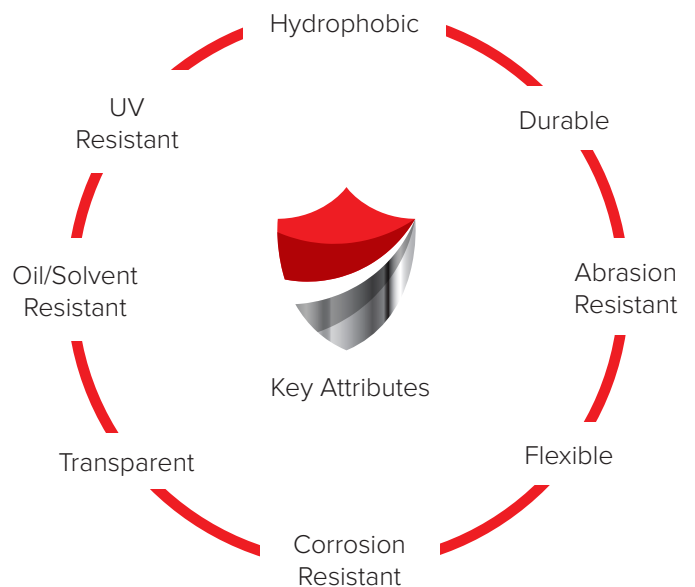


Advanced Clear Hydrophobic Coating

Ultr Armour G2 is the next generation of corrosion-resistant and easy-cleaning coatings. With its combination of high-performing abrasion resistance and very low sliding angle, **Ultr Armour G2** excels where other coatings have fallen short.

Traditional hydrophobic coatings are clear and abrasion resistant, but do not shed fluid easily. Superhydrophobic coatings are generally great at shedding water, but are not clear, and are easily removed. Whether it's abrasion resistance, oil repellency or visual clarity, conventional coatings have their limitations. **Ultr Armour G2** changes that.

Ultr Armour G2 is a clear coating that not only repels water but most oils and solvents. It is also able to withstand significant abrasion without sacrificing performance.



How does it work?

UltrArmourG2 is a dense polymer system that forms a barrier against corrosion initiators. This is due to its low surface energy, high density, and low porosity. The system is conformal, pinhole-free, and very thin (4-6 microns) compared with traditional polymer coatings but far more dense and durable. The higher density of the system provides an excellent barrier to water and corrosive ions.

Adhesion & Durability

UltrArmourG2 has robust adhesion to painted, plated, and bare metallic substrates, as well as glass and surface-primed plastics. The coating has demonstrated excellent resistance to salt spray, UV exposure, and chemical exposure—significant improvements over traditional hydrophobic coatings.

Corrosion Resistance

When used on top of other qualified systems, UltrArmourG2 further reduces corrosion and extends the lifetime of the barrier system and, therefore, the coated substrate. This is due to its excellent water- and salt-shedding properties and impact resistance. These properties also significantly reduce the effects of galvanic corrosion on dissimilar metals.

Easy Cleaning

The low sliding angle combined with the high dirt and solvent resistance of the coating allows for easy cleaning of many surfaces with less water.

Application

UltrArmourG2 is a two-part coating that is mixed together and then applied as a single coat. It can be flow-coated, dip-coated, HVLP-sprayed, or painted on with a brush or roller. It provides a lightweight, thin (4-6 microns) coating with minimal surface preparation.

Chemical Resistance

Offers superior resistance to most oils, solvents, and acids.

Hydrophobic Data

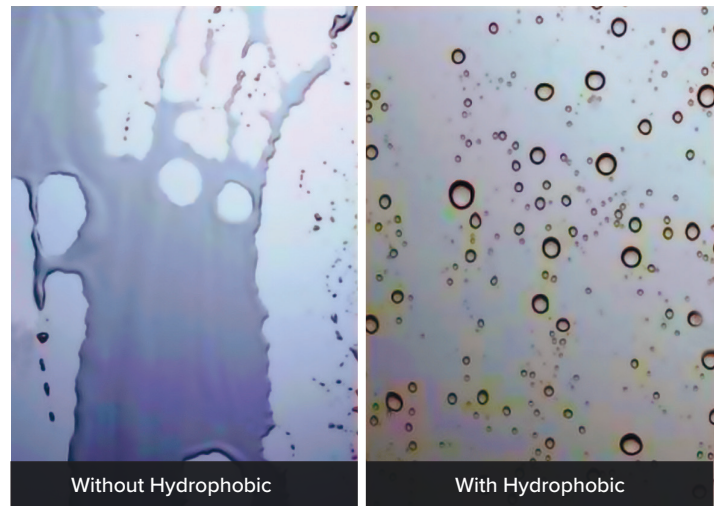
	Contact Angle	Watershedding (50 µl)
Acrylic	68°	21°
Polycarbonate	77°	13°
Polyurethane	99°	26°
UltrArmourG2	116°	4°

Transparency Data

	Transparency	Haze
Untreated Acrylic	94.0	0.7
UltrArmourG2 Coated Acrylic	94.0	0.4
Untreated Glass	94.0	0.9
UltrArmourG2 Coated Glass	94.1	1.3

Taber Abrasion Test After Abrasion (500 cycles)

	Transparency	Haze
Untreated Polyurethane	89.2	18.8
UltrArmourG2 Coated Polyurethane	90.6	5.9
Untreated Acrylic	93.3	29.4
UltrArmourG2 Coated Acrylic	93.8	4.2



This product may not be a stock item. Please speak to our sales representative about lead times. Lead times, price, and availability can only be determined on receipt of an official quote from our supplier. This can sometimes take up to 3 days.

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