

AQUAREZ™ PVB

Polymeric Dispersions

Tough films. Strong bonds. Reliable performance.

A Global Leader in Aqueous Dispersions & Emulsions

For over 50 years, we’ve been helping manufacturers and formulators achieve their performance objectives with our leading range of proven aqueous dispersions.

Through our [innovation-first approach](#), our specialists develop unique solutions engineered to meet evolving market needs and optimise product performance.

With operations spanning Europe, Asia Pacific, and the Americas, [Aquaspersions is a global leader in the manufacture and supply](#) of various aqueous additive dispersions and emulsions for many different market segments.

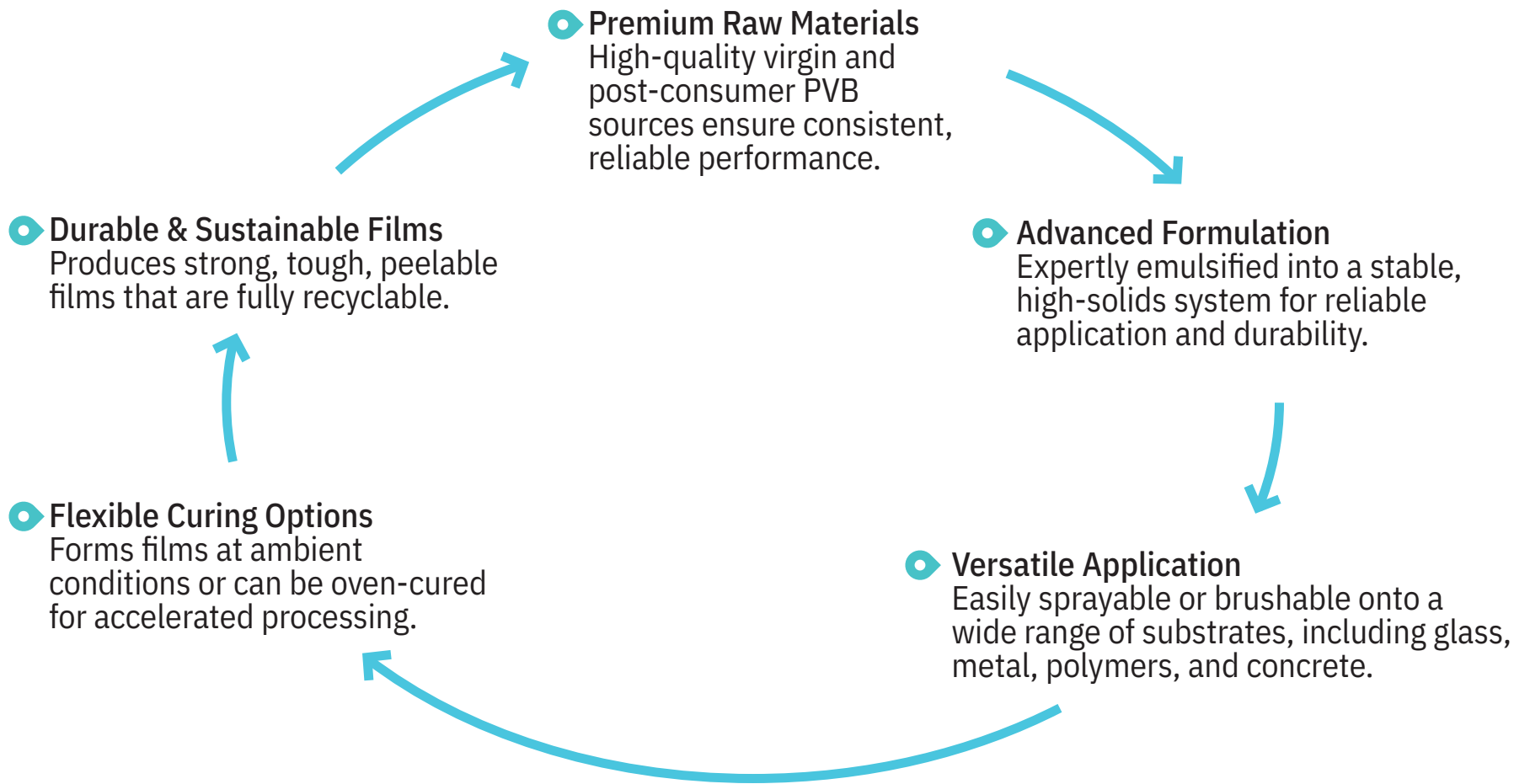


AQUAREZ™ PVB High-Performance Polymer Technology

AQUAREZ™ PVB product range is comprised of waterborne dispersions of plasticised polyvinyl butyral (PVB); a high-performance polymer technology used in protective and peelable coatings, textile binders, and carpet backing.

Aquaspersions offers a range of products that deliver the proven performance of [PVB in a water-based, zero-VOC format](#). We have developed solutions using both virgin and recycled (post-consumer) PVB, helping to keep materials in use for longer and supporting customers’ transition toward more circular and sustainable coatings.

Closed-Loop Manufacturing



Versatile Application Compatibility

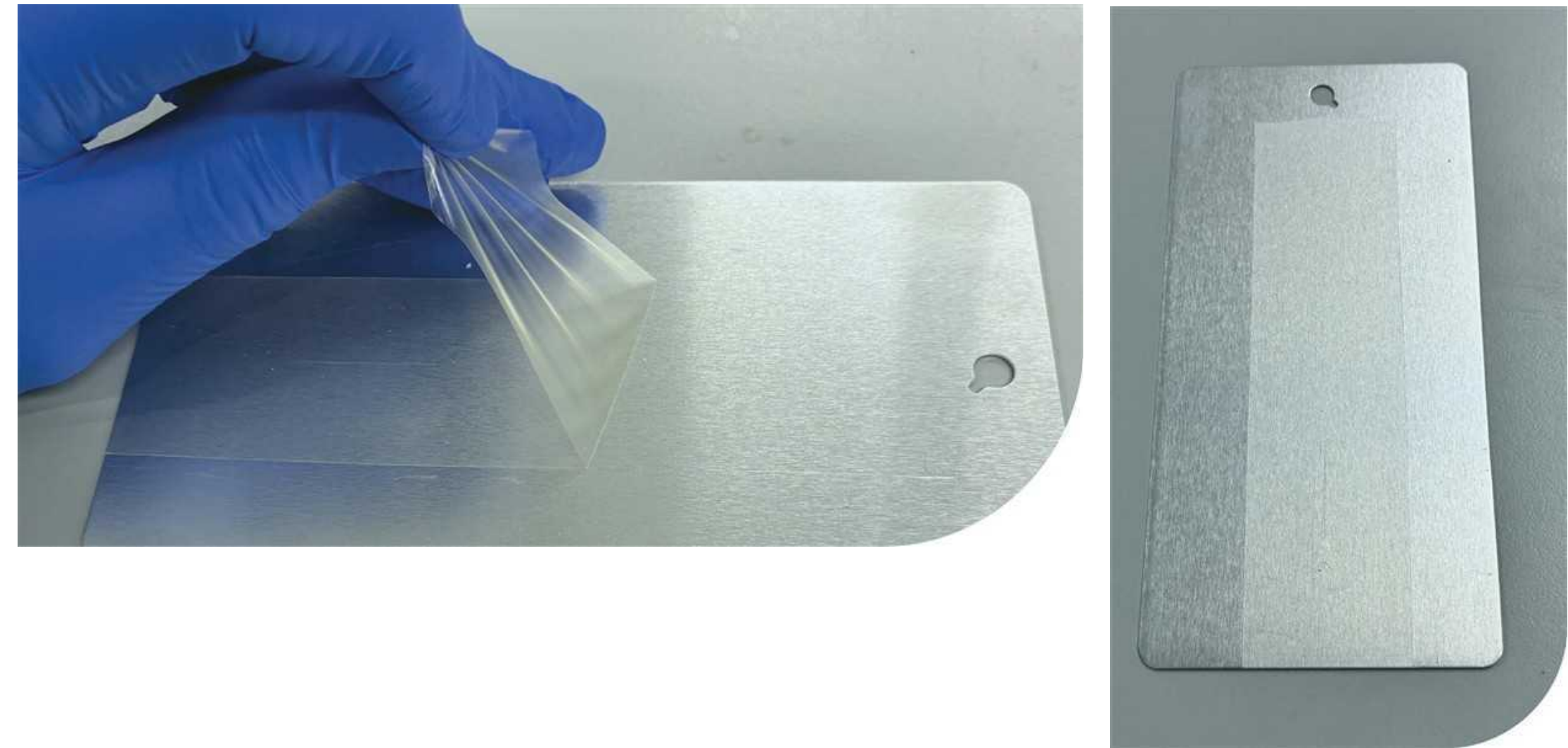
AQUAREZ™ PVB can be used as supplied or formulated to meet market specific needs. With broad compatibility across waterborne resin systems (including PVC, acrylics, vinyl acetate, and polyurethane dispersions), [AQUAREZ™ PVB is a solution for modern coating and adhesive formulations](#).

Our products form strong, transparent films at room temperature that combine [excellent toughness, clarity, flexibility, and elongation](#), along with good adhesion to a wide range of substrates including metals, glass, textiles, and polymers.

AQUAREZ™ PVB is suited to external temporary protective coatings, where tough, flexible, and removable films are required to protect surfaces during transport, storage, or construction.

Multi-Functional Formulation Performance

- Excellent adhesion to a variety of substrates
- Tuneable balance between flexibility and hardness
- Enhanced water resistance, durability, and weatherability
- Durability, abrasion resistance and strength to finished textile products
- Intrinsic and customisable UV protection
- Compatibility with multiple crosslinking systems
- Easy application by roller, spray, or brush



AQUAREZ™ PVB Physical Properties

PROPERTIES	Competitor	PVB 520	PVB 701	PVB R540	PVB DP596-36
PVB : Plasticiser Ratio	Unknown	2:1	7:3	7:3	7:3
Plasticiser Type	TEG-EH	Castor Oil	Castor Oil	Castor Oil	TEG-EH
Dispersion Properties:					
Total Solids Content, %	45-47	45 - 47	46 - 48	42-44	44.5-46.5
Active Solids	-	42.5 - 44.5	43.5 - 45.5	43.5 - 45.5	39.0-41.0
pH		9.0 -11.0	8.5 - 10.0	8.5 - 10.0	8.5-10.0
Viscosity @ 20 °C (70 °F), mPa.s	100	<1000	<1200	700 – 1200	700-1200
Particle Size d95, µm	<2	<4	<4	<4	<4
Dried Film Properties: 300µm wet film					
Colour	Clear	Clear	Clear	Clear	Grey
Clarity	Transparent	Transparent	Transparent	Transparent	Cloudy
Tear Strength	++	+++	++	++	++
Water Resistance	-	+	+++	++	++
Film Formation Temperature, °C	Ambient	Ambient	Ambient	Ambient	Ambient
Elongation (mm)	40 - 55	70 - 80	25 - 30	70 - 80	70 - 80
Tensile Strength (N)	40 - 50	45 - 50	15 - 20	45-55	20 - 25
Gloss, GU 60°	85 - 90	>90	30 - 40	>90	10 - 20
Release Properties on:					
Glass	+++	+++	+++	+++	+++
Plastic	++	+++	+++	++	++
Steel	++	+++	+++	++	++
Aluminium	++	++	+++	++	++
Concrete	+	+++	++	++	++
Aerated Concrete Blocks	+	+++	+++	++	++
Recommended Applications:					
Marine	Unknown	○	●	●	●
Automotive	Unknown	○	●	○	○
Advertising Media	Unknown	○	○	●	●
Construction	Unknown	●	●	●	●
Restoration / Cleaning	Unknown	●	○	○	○
Coated Aluminium	Unknown	○	○	○	○
White Goods	Unknown	○	○	○	○

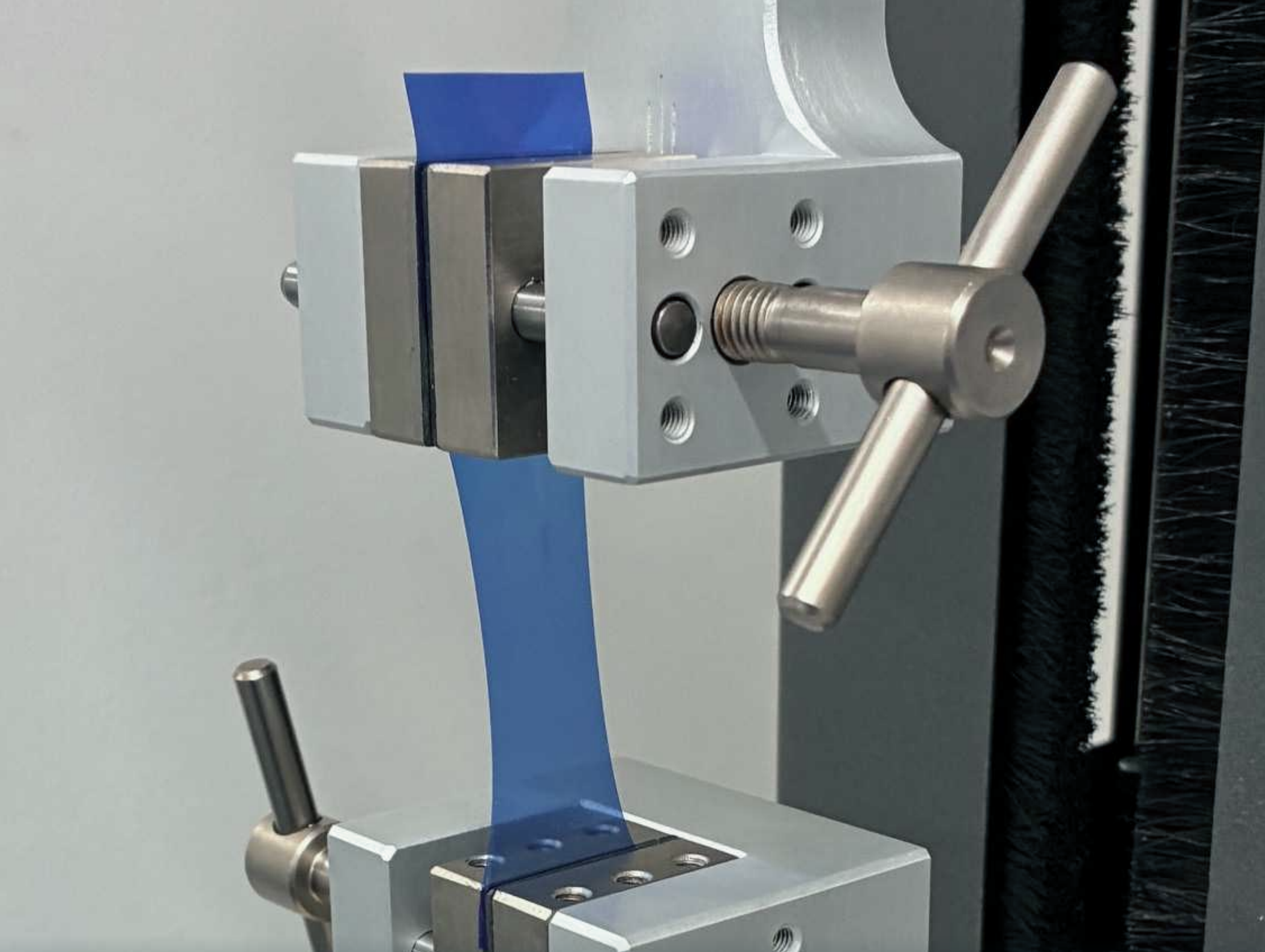
Key

Release Properties:

- +++ = Excellent
- ++ = Good
- + = Ok
- = Poor

Applications:

- = Highly Recommended
- = Suitable
- = Not Usable



AQUAREZ™ PVB

Engineered to Outperform

AQUAREZ™PVB brings the high-performance properties of PVB to a water-based, zero-VOC format. This trusted solution has been proven across protective coatings, textile binders, and carpet backing applications.

Learn more about how AQUAREZ™ PVB can enhance your formulation by contacting our specialists.

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