



**POLYCOAT  
PRODUCTS**

A Division of American Polymers Corp.

**Aromatic Polyurea**

**Aliphatic Polyurea**

**High or Low Pressure**

**Hybrids**



## Polyurea & Spray Elastomers Division

**Polyurea Caulk**  
**Polyurethanes**  
**Pure Polyurea**  
**Specialty Polyureas**



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**CONSTRUCT WITH  
CHEMISTRY**

# POLYCOAT'S CHEMICAL EXPERTISE WILL HELP YOU

Polycoat offers quick setting, 100% pure aromatic and aliphatic polyureas that can be applied to suitably prepared concrete and metal surfaces. The Polyeuro® 5000 series is aromatic and non-color stable, whereas the Polyeuro® 7000 series is aliphatic and color stable. These coatings can be applied in single or multiple applications and are less sensitive to moisture and temperature, allowing applications at lower temperatures. Polycoat has various polyurea products that offer a wide range of physical properties to help meet the application parameters of different industries.

## Aliphatic Polyurea

These polyurea products have a high degree of color stability upon UV exposure. In addition, they offer exceptional physical properties which add durability and flexibility to the coating.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
Polyeuro® 7502	3300 ± 300 psi	220% ± 20	400 ± 20 pli	50 ± 5 Shore D
Polyeuro® 7901	3200 ± 300 psi	450% ± 50	325 ± 20 pli	90 ± 5 Shore A



## Aromatic Polyurea

These polyurea products are functionally unchanged with UV exposure, but may be susceptible to discoloration. Polyeuro® 6881 is a relatively slow set polyurea whereas Polyeuro® 5502 PW is approved as a potable water lining as per ANSI / NSF 61 Standard.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
Polyeuro® 5502	3000 ± 200 psi	400% ± 50	450 ± 50 pli	50 ± 5 Shore D
Polyeuro® 5502-18PW	3000 ± 200 psi	400% ± 50	450 ± 50 pli	50 ± 5 Shore D
Polyeuro® 5602	3000 ± 200 psi	275% ± 50	450 ± 50 pli	60 ± 5 Shore D
Polyeuro® 5901	2500 ± 200 psi	400% ± 50	400 ± 50 pli	90 ± 5 Shore A
Polyeuro® 6881	1900 ± 150 psi	375% ± 25	300 ± 25 pli	90 ± 5 Shore A



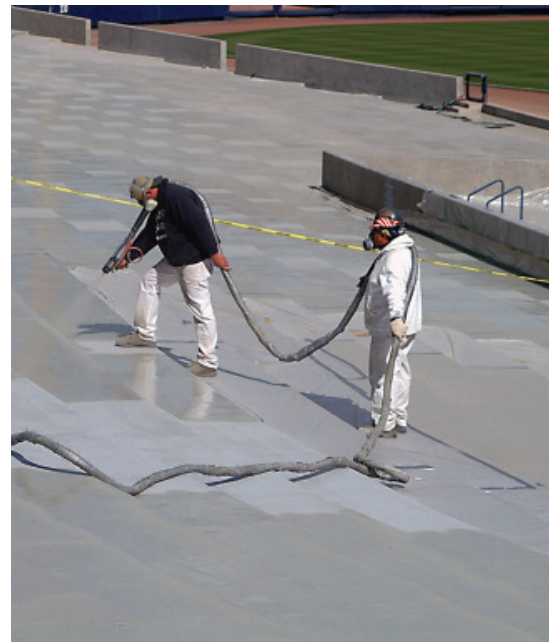


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## Polyaspartic Polyurea

Polycoat Staingard is a series of products offering the benefits of polyaspartic-polyurea technology. These coatings have properties that include superior color and gloss retention, with low VOCs and odor.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
Polycoat Staingard 7000 (Pigmented)	3000 ± 200 psi	50% ± 10	400 ± 20 pli	65 ± 5 Shore A
Polycoat Staingard 7000 (Clear)	3000 ± 200 psi	70% ± 10	450 ± 50 pli	65 ± 5 Shore A
Polycoat Staingard 7072SC (Pigmented)	3500 ± 300 psi	50% ± 20	400 ± 20 pli	65 ± 5 Shore A
Polycoat Staingard 8072SC (Pigmented)	3300 ± 300 psi	50% ± 10	450 ± 20 pli	65 ± 5 Shore A
Polycoat Staingard 9072SC (Clear)	3500 ± 300 psi	50% ± 10	400 ± 20 pli	70 ± 5 Shore A



## High Pressure Hybrids

The Polyeuro® MPL family is a two component, 1:1 ratio, fast-set gel, modified-polyurea liner system for general purpose on metal, concrete, fiber-glass and wood surfaces. Polyeuro® MPL-85 ALU is a specially tinted elastomer for roofing application as a good reflective topcoat.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
Polyeuro® MPL 11	2700 ± 200 psi	225% ± 20	400 ± 50 pli	50 ± 5 Shore D
Polyeuro® MPL 11 FR	1600 ± 200 psi	45% ± 20	350 ± 50 pli	50 ± 5 Shore D
Polyeuro® MPL 80	2000 ± 300 psi	300% ± 25	300 ± 40 pli	80 ± 5 Shore A
Polyeuro® MPL 85 ALU	2500 ± 200 psi	300% ± 25	225 ± 25 pli	85 ± 5 Shore A
Polyeuro® MPL 501	2800 ± 200 psi	200% ± 20	400 ± 50 pli	55 ± 5 Shore D



## Low Pressure Hybrids

Polyeuro® LP series is a low pressure, hybrid polyurea system for general purpose use in waterproofing and maintenance applications.



Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
Polyeuro® LP 11	2000 ± 300 psi	250% ± 50	175 ± 25 pli	91-93 Shore A
Polyeuro® LP 12	1300 ± 200 psi	200% ± 50	175 ± 25 pli	91-93 Shore A
Polyeuro® 12 HE	2800 ± 200 psi	430% ± 50	220 ± 25 pli	85 ± 5 Shore A
Polyeuro® LP-1188	1300 ± 200 psi	250% ± 50	175 ± 25 pli	91-93 Shore A



## Polyurethane Spray Coatings

Polyurethane spray coatings are typically used as a coating or liner in water tanks, secondary containment and waste-water management applications. Polyeuro® 1050H is ANSI / NSF-61 approved for direct contact with potable water.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
Polyeuro® 1050H	2800 ± 200 psi	25% ± 10	400 ± 50 pli	65 ± 5 Shore D
Polyeuro® PLC 80	7000 ± 500 psi	10% ± 5	800 ± 100 pli	80 ± 5 Shore D

## Theme and Prop

These series of hybrid polyurea-polyurethane elastomeric coatings offer unique coatings with an impact resistant shell that is spray applied to add a durable, abrasion-resistant finish to most lightweight foams, expanded polystyrene, and most other lightweight substrates.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
Polyeuro® MH 752	3700 ± 200 psi	30% ± 10	450 ± 50 pli	75 ± 5 Shore D
Polyeuro® MH 752 HH	4000 ± 200 psi	15% ± 5	450 ± 30 pli	75 ± 5 Shore D
Polyeuro® MH 751 FR	3000 ± 200 psi	10% ± 5	225 ± 25 pli	70 ± 5 Shore D







## Specialty Polyurea

The TuffShield™ series offers 100% solids, flexible, two component, high-performance spray elastomers. They offer exceptional performance in tensile strength, high-tear, high-chemical and impact resistance in severely demanding applications against abrasion.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
TuffShield™ 801	3800 ± 300 psi	375% ± 50	425 ± 50 pli	50 ± 5 Shore D
TuffShield™ II HAR	3200 ± 300 psi	275% ± 50	350 ± 25 pli	42 ± 3 Shore D
Polyeuro® 8245	2000 ± 200 psi	80% ± 20	300 ± 50 pli	50 ± 5 Shore D

## Caulking Compounds

Poly-Caulk® series offers polyurea polyurethane, plural-component caulking material for use on interior/exterior concrete surfaces to repair random cracks and control joints. It offers application specific products in areas where down time is limited.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (shore)
Poly-Caulk® 50A	425 ± 50 psi	550% ± 50	50 ± 10 pli	50 ± 5 Shore A
Poly-Caulk® 82	1500 ± 200 psi	300% ± 50	275 ± 50 pli	80 ± 2 Shore A
Poly-Caulk® HM	2000 ± 200 psi	600% ± 50	425 ± 50 pli	80 ± 5 Shore A
Poly-Caulk® PX-27 (Gun Grade)	200 ± 50 psi	600% ± 50	50 ± 5 pli	30 ± 5 Shore A
Poly-Caulk® PX-27 (Self Level)	300 ± 50 psi	800% ± 50	50 ± 5 pli	30 ± 5 Shore A



# CONSTRUCT WITH CHEMISTRY™

## State-of-the-Art Manufacturing

We have nearly 1,000,000 square feet of manufacturing and warehouse space across six chemical facilities in four strategic locations across the United States to store and manufacture large volumes. We ship our premium products globally and welcome inquiries for private label and toll-blending opportunities. Our coatings are found in world landmarks, stadiums, resorts, luxury residential living, and other high-profile projects.

Our Dallas, Texas facility alone houses 44 reactors with the ability to manufacture batch sizes that range from 50-6000 gallons. Several facilities are also ISO 9001:2015 compliant, illustrating our commitment to producing consistently premium products.

Our future growth is projecting a 10 million gallon per year manufacturing capacity.

## Other Products Manufactured by Polycoat Products

**ICC-Evaluated Deck Systems • Pedestrian Traffic Deck Systems • Vehicular Traffic Deck Systems • Below-Grade Membranes • Cast Elastomers • Epoxy Coatings • Polyurethane Spray Foam • Industrial Coatings • Tire Flatproofing**

Toll Manufacturing Available • Private Label Account inquiries are welcomed

Seeking Experienced Independent Representatives Globally



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