



- ✓ "Epolac" presents a new generation of polyurea materials.
- ✓ More than 40 years of development & experience.
- ✓ The joint work of Israeli and American engineers.
- ✓ Patented technologies & products.
- ✓ A polyurea coating is that derived from the reaction product of an isocyanate component and a resin blend component, forming rubber/plastic-like composition, which may be used in different areas, like epoxy, polyurethane, vinyl ester and other coatings.
- ✓ Polyurea's main benefit – quick set time. Area returns to its service many times faster than after other coatings, allowing to put the facility back in use without losing time and having new excellent mechanical and chemical characteristics.

		Ultimate 700	Ultimate 800	Ultimate 900	Ultimate 1000
Natural	Visual	Natural Clear	Natural Clear	Natural Clear	Natural Clear
Flex Modulus	ASTM D790	175-k psi	100-k psi	45-k psi	25-k psi
Tensile Strength	ASTM D412	4200 psi	3750 psi	2500 psi	2200 psi
Elongation	ASTM D412	320%	350%	600%	700%
Water absorption (24hr)	ASTM D570	0.25%	0.25%	0.25%	0.25%
Moisture Vapor Transmission	ASTM E96	0.24 perms	0.24 perms	0.24 perms	0.24 perms
Hardness	ASTM D785	70 D	60 D	85 A	70 A
Abrasion Taber CS17	ASTM D4060	<30 mg/1000 cycles	<30 mg/1000 cycles	<30 mg/1000 cycles	<30 mg/1000 cycles
Tear Strength	ASTM D624	520 lbs/lin. in	690 lbs/lin. in	360 lbs/lin. in	300 lbs/lin. in
Gel Time	Time	5-15 sec	5-15 sec	5-15 sec	5-15 sec
Mix Ratio		1:1	1:1	1:1	1:1

✓ Polyurea is a more preferred than other traditional coating systems and offers many advantages to the owner, designer and contractor.

✓ "Epolac" polyurea additional advantages:

- Application on any substrate
- Abrasion Resistance
- Excellent Corrosion Resistance
- Superior skid Resistance
- Waterproofing
- High tensile
- Chemical, Environment or Atmospheric Resistance
- Decoration

These advantages are based on excellent physical properties and fast set characteristics. Polyurea coating can be applied over different substrates (metal, steel, concrete, wood etc.) in a wide range of temperature and humidity environments. Don't forget that, like for all protective coatings, for polyurea need to have a proper surface preparation and quality testing during application.

✓ Polyurea is a technology with a wide range of uses: pipes/pipelines; bridges, rails and tunnels; tanks, swimming pools, aquariums; buildings, roofs, floors, panels; fuel storage etc.



Polyurea



Contact "Epolac" to find out how polyurea can solve your protective coating needs.

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