

ELASTUFF

SUMMARY OF POLYURETHANE & POLYUREA SYSTEMS

ELASTUFF 101/102/103

This system consists of a single component aromatic basecoat and a highly UV/color stable single component aliphatic topcoat. Both components can be applied by brush, roller or airless spray over a variety of substrates. For use wherever a durable, chemical resistant elastomeric finish is desired. **ELASTUFF 103** is a low VOC version of the aliphatic topcoat, meeting all known VOC regulations. **ELASTUFF 102/103** can also be used as finish coats on their own over appropriate primers.

ELASTUFF 110

This 100% solids, fast-cure polyurethane is classified as a "rigid" or "structural" membrane. It is a high durometer product exhibiting excellent resistance to crude oil, fuel oils, gasoline, jet fuel, etc. It is also ideal for lining metal storage tanks & vessels, as well as interior pipelines.

ELASTUFF 120

This 100% solids polyurethane/polyurea hybrid is designed primarily for lining concrete tanks, as it has an ideal balance of tensile strength, elongation and hardness. It is also ANSI/NSF 61 classified for use in potable water storage, processing and transfer applications. Typical applications include lining waste/water treatment tanks, water flumes, cooling towers, power plants, etc., as it has excellent resistance to long-term immersion in water, salt water and alkaline solutions. It is available in spray grade, roller grade and mastic formulations.

ELASTUFF 120HE

This is a high elongation version of **Elastuff 120** designed for use in concrete tanks or vessels subject to settling or ground movement, when a higher degree of elongation is required. It is also ANSI/NSF 61 classified for use in potable water storage, processing and transfer applications.

ELASTUFF 120X3

This 100% solids, fast-cure product is a foamed elastomer, which rises to 3 times its liquid thickness as it cures. It is ideal for building film thickness and covering rough texture areas prior to topcoating with standard **Elastuff 120**, **Elastuff 120HE** or **Elastuff 125**.

ELASTUFF 125

A higher durometer version of **Elastuff 120** for use over metal or concrete substrates. This product has been popular for use in waste/water treatment applications where a harder surface finish is desired.

ELASTUFF 160

This 100% solids, polyurethane/polyurea hybrid is a high durometer, primerless metal coating, although it has approximately 20% elongation, giving it good resiliency and high impact resistance. It has excellent resistance to long-term immersion in water, seawater and alkalines, as well as good resistance to ketones. It is used for coating steel and ductile iron pipes, pipe and sheet piling, rail cars, and other applications requiring a durable, flexible metal finish.

ELASTUFF 200

This 100% solids elastomer is an extremely tough, "pure" aliphatic polyurea, exhibiting excellent tensile strength, elongation and hardness properties. It can be used on its own or as a topcoat over any of our aromatic polyurethanes or polyureas. It is also available in an anti-fouling formulation for marine use.

ELASTUFF 210/220

Aliphatic polyaspartic polyureas, which can be used on their own or as topcoats over any of our aromatic polyurethanes, polyureas or hybrids. **ELASTUFF 210** is 100% solids by volume, while **ELASTUFF 220** is 75% solids by volume with an extended pot life. Outstanding chemical resistance and durability make them an excellent choice for warehouse and factory floors, as well as tank exteriors and structural steel protection. Both are available in either clear or pigmented formulations.

ELASTUFF 300

This 100% solids, "pure" aromatic polyurea coating is formulated to achieve optimum tensile strength, tear strength and elongation properties. This superior balance of physical properties, good chemical resistance and imperviousness to high humidity and cold substrate temperatures make it an excellent all-around membrane. It can be used as a liner, as well as for secondary containment, basins and slurries, and other applications requiring a tough, durable membrane.

ELASTUFF 310

This 100% solids polyurea has an excellent balance of tensile strength, elongation and hardness for use in a wide variety of conditions. It has good chemical resistance and is also impervious to high humidity and cold substrate temperatures. It is suitable wherever a resilient, abrasion resistant, waterproofing membrane is required, including bridge deck membraning, tunnels, secondary containment, waste/water treatment, manhole lining, cooling towers, foam stock, below grade waterproofing, geotextile fabric liners, evaporation ponds, etc.

ELASTUFF 310FR

A fire-retardant version of **Elastuff 310** used primarily over sprayed-in-place polyurethane foam insulation on roofs and tanks, although it can also be applied directly over properly prepared metal and concrete roofs. The system is UL 790 Class A rated over a variety of spray-applied polyurethane foam, and is available in Tan or Aluminized versions.

ELASTUFF 320 – Manufactured in China

This 100% solids polyurea possesses an excellent balance of tensile strength, elongation and hardness, and is an economical choice for use over concrete in below grade waterproofing, inter-slab waterproofing and planter boxes, as well as over EPS or polyisocyanurate foam board, and other surfaces. It is also the membrane of choice for waterproofing bridge decks prior to application of the wear surface.

ELASTUFF 504

This tough, pot life coating system has been performing under the harshest abrasion conditions over the past 30 years. It can be applied by brush, roller, conventional or airless spray over primed steel, concrete, wood or fiberglass substrates. For use wherever an ultra-tough membrane is required, such as ore hopper cars, rail cars, dam gates & trash racks, plow blades, etc. It is also used as a patch material for **Elastuff 300, 310 and 320**.

UNIFLEX 255

A two-component aliphatic polyurethane, exhibiting excellent durability, chemical resistance and weatherability. It has an extended pot life and can be applied using roller, conventional or airless spray, or squeegee. Ideal for use as a topcoat over **UNIFLEX 1500 or 3000** when a color stable elastomeric finish is desired.

UNIFLEX 1500

A 100% solids roller grade polyurethane hybrid used primarily for providing waterproofing and abrasion resistance on vehicular traffic decks. It is available in Dark Gray or Aluminized Gray, which exhibits good resistance to UV degradation without the need of a separate topcoat. Extended pot life allows for application by roller or squeegee.

UNIFLEX 3000

A 100% solids, fast-cure polyurea used primarily for providing waterproofing and abrasion resistance on vehicular traffic decks. It is available in Dark Gray or Aluminized Gray, which exhibits good resistance to UV degradation without the need of a separate topcoat. The fast cure and rapid film build allows for minimal downtime of parking facilities.

PRIMERS

PRIMER 302 – This polyurethane-based primer provides excellent adhesion and corrosion resistance under any of UNITED'S polyurethane and polyurea finishes, including immersion conditions.

LOCK-DOWN PRIMER – A single-component, moisture catalyzed urethane primer designed for use over ferrous and non-ferrous metal surfaces. It incorporates an aluminum pigment for providing excellent corrosion protection under any of UNITED'S polyurethane or polyurea products.

UNI-TILE SEALER LV – A high solids, penetrating primer, meeting all current VOC regulations. This primer/sealer can be used over concrete or wood substrates, and also has NSF 61 approval for use in potable water applications.

