



Solving the insolvable

With extraordinary customer service

We stick to you forever™

BONDit™



RELTEKLLC.COM | 877-RELTEKIt

THE RELTEK LLC STORY

RELTEK, LLC was founded in 1996, based on research & development initiated by founder, Robert Lindberg.

RELTEK has since grown from a small operation in Lindberg's home garage into an ever expanding organization reaching into global markets.

We formulate, manufacture, and market adhesives, sealants and coatings for bonding difficult to bond substrates and dissimilar materials designed particularly to survive harsh environments.

Our product line focuses on the industrial, military and commercial markets; covering electrical and electronics, marine, transportation, petroleum, telecommunications, aerospace and a wide range of commercial applications.

Our products offer unique properties; bonding plastics to dissimilar materials as metal, glass, and ceramic, as well as to themselves. They offer superior shock resistance for thermal cycling and mechanical vibration and have an exceptionally wide range of thermal and chemical resistance.

We are proud of our track record of superior customer service, with many OEM customers who continue with us for many years and have come to rely on our comprehensive and dedicated technical support.

Typical applications include electrical cable splicing for surviving deep sea deployment for up to twenty years; electronic encapsulation and potting of transducers deployed in oil wells; environmental sealing of fiber optic systems and transducers for military applications. Primers for molding many polymers such as PU and PE with adhesion to various substrates. Structural bonding of very dissimilar materials such as PTFE and stainless steel and exposure to extreme environmental conditions common to fuel cells.

Need to BOND it?
RELTEK it™

RELTEK products are **ecologically responsible**, user friendly, and are shipped to industrial areas worldwide.

OUR COMMITMENT



RELTEK is committed to providing engineered solutions through many proprietary commercially off-the-shelf products. We specialize in the development of new products to the specifications of our OEM customers. In addition we also modify existing product technology to serve emerging opportunities as well as provide new product designs for OEM customers.

RELTEK is committed to continually differentiating ourselves by high performance, uniquely engineered product solutions and extraordinary customer service.

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TECHNOLOGY

BONDiT Adhesives

Our two-part Adhesives are world renowned for their cutting edge ability to bond the most difficult substrates in the most extreme environments.

Using epoxy resins and curing systems, our products stand out within the adhesive/cohesive bonding industry. Specializing in bonding dissimilar materials such as UHMW-PE, HDPE, PP, PTFE and many other plastics and many different rubbers. Along with a strong bond, these adhesives maintain exceptional chemical resistance.

Some of the specialized environments in which our epoxies have had proven success are; downhole oil, deep sea deployment, cable transducers, heat/high humidity applications, aerospace, military defense, and satellite communications.

SEALiT Sealants

Our sealant technologies provide the best barrier between your components and the elements. We use our proprietary Silane and Epoxy based systems to provide outstanding moisture and chemical resistance, ruggedness for electrical components, antennas, sonar systems, electrical cable splices and connectors and many types of transducers.

We strive to make the best specialty sealants in a growing industry.

Our products excel in sea water application resistance from solvents, gasoline, alcohol, acids, alkalis, and petroleum products.

The sealants have unparalleled results in autoclave applications, high heat and humidity and are unsurpassed in high acid and alkaline content environments from 2 pH to 12 pH. Our systems are updated and tested to provide the best combinations for new and developing markets in the most extreme elements and environments.

BONDiT Coatings and Adhesion Promoters

Our coating systems bring top tier technology to industries with high chemical, impact, pH and 95/95 heat/humidity resistance that is unsurpassed.

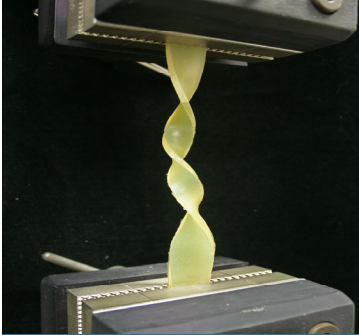
We offer proprietary formulated Silane products for a simple one-step environmental protection coating system. These Silane coatings can be used in conjunction with many polymers for improved chemical, impact and environmental resistance in the most extreme environments.

We provide a wide range of coatings that can be sprayed, spread by trowel or painted on all surfaces for ease of application with the simplest of preparation.

TECHNOLOGY

		<u>Related Products:</u>	
Potting Compounds	<p>RELTEK LLC's Potting Compounds cover a wide array of applications: Sensitive/proprietary electronics, cable connectors, transistor coatings, cable terminations, exposed wiring and more. These compounds handle very</p>	<p>harsh environments easily with outstanding effectiveness against moisture, salt water, acids, alkalies, oils, corrosive gases and detergents. Coupled with our A-3 technology, a complete termination of a cable can achieve years of service. They can be molded, potted, coated, sprayed and more.</p>	<p>B-45 B-46 B-4682 B-481 B-4811 B-482 B-755</p>
Thixotropic (TH) Adhesives	<p>Our Thixotropic technology blends our adhesive capabilities with a patented silicate blend enabling better control and gravitational flow that allows it to be positioned into those hard to reach areas. A 1/8" bead stays in place on a vertical wall.</p>	<p>Combined with our epoxy resins, the silicate thickens them to a higher viscosity giving them an opaque flow control with very low VOC issues. This silicate blend can be enhanced for increased viscosity in even thicker applications and complete control at the user's request.</p>	<p>B-45TH B-46TH B-481TH B-482TH B-536TH B-575TH</p>
1:1 Ratio "6" Series Products	<p>Adhesives for bonding un-treated dissimilar materials. Our 6 series handles harsh environments and is particularly effective against moisture, saltwater, acids, alkalies, oils, gasoline and detergents. The highly flexible and elastic</p>	<p>properties of 300-400% elongation permits assembly of materials with very dissimilar thermal expansion properties which will survive thermal cycling. Likewise mechanical vibration, shock and impact are easily absorbed by them. No prep re-assembly sets them apart from any other system. Low VOC issues.</p>	<p>B-46 B-46TH B-4682 B-4682TH</p>
Sealants	<p>Sealants offer a wide variety of options for protecting your sensitive equipment. BONDiT/SEALiT products can be used in many environments: coating, potting, downhole oil, motor lamination, porous ceramic, thread locking, crevice sealing and more.</p>	<p>A cheaper alternative to mechanical encasing; Sealants can be the barrier between equipment and the elements of nature. Our line of sealants offer a broad range of applications to better suit your need while being a simple means to get your product in the field. Most of our sealants can be modified to suit your needs onsite. Low VOC issues.</p>	<p>A-46 B-45 B-45CC B-46 B-4682 B-481 B-4811 B-482 B-755</p>
Adhesion Promoters	<p>Our line of BONDiT adhesion promoters are currently being employed in many fields: downhole oil, offshore deployment, deep-sea cable terminations and more. They can be used with ours or other products to achieve cohesion.</p>	<p>Our adhesion promoters can provide the extra protection, strength and adhesion/cohesion to your substrate enabling your products to work. Adhesion promoters greatly increase bond strength in impact resistance, tensile and lap shear results while being cheaper than mechanical means.</p>	<p>A-3 A-37 A-43 A-53 C-6 C-24 C-52</p>

B-45 & B-45TH Adhesive, Coating System & Potting Compound



Bondable Substrates

Plastics including UHMW, HDPE, PP, PET, PEEK, PPS, PBT, Acetal, ETFE, PVC, PVCF, PVDF, ABS, ECTFE, polyamide, polyimide, polyimid, fiberglass and composites.
Elastomers - EPDM, butyl, neoprene, urethanes, and some thermoplastic elastomers (Hytrel).
Also metals, glass, ceramic, cement, wood and cellulose.

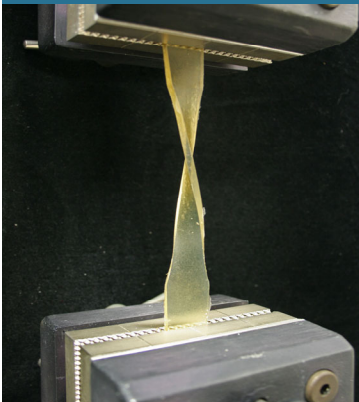
B-45 is a two-part, state-of-the-art 100% resins, room-temperature curing, flexible epoxy system. Specially designed for protective coating and electrical/ electronic potting applications with bonding to engineering plastics, elastomers, and mineral substrates.

B-45 handles harsh environments easily and is particularly effective against moisture, salt water, acids, alkalis, oils, gasoline and detergents.

B-45 has high thermal stability, with a continuous operational rating of -50°F to +350°F. B-45 offers good corrosion resistance. The flexible properties of B-45 permit assembly of materials with dissimilar thermal expansion and will survive thermal cycling. Likewise mechanical vibration, shock and impact are easily absorbed and it protects surfaces, bonded assemblies and encapsulated sensitive electronics.

- Flexible two-part epoxy, 2:1 ratio
- **Uses:** Potting, Paint, Adhesive, Coating
- **Variations:** TH (thixotropic), Pigmented
- **Elongation:** 130%

B-482 Adhesive, Coating System & Potting Compound



Bondable Substrates

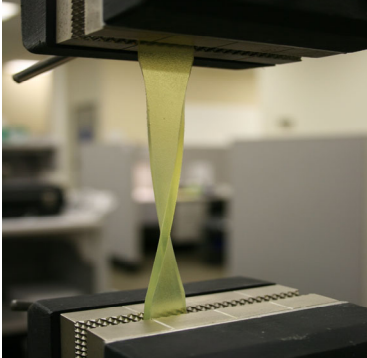
Plastics including UHMW, HDPE, PP, PET, PEEK, PPS, PBT, Acetal, ETFE, PVC, PVCF, PVDF, ABS, ECTFE, polyamide, polyimide rubber and urethane compounds on metal, glass, composites, cement, wood, and cellulose.

B-482 is a two-part, state-of-the-art 100% solids, room-temperature curing flexible epoxy resin system. Especially designed for potting, coating, and adhesive applications for electronics and electrical assemblies, environmental sealing, impact resistant coating for corrosion resistance, bonding engineering plastics and elastomers to various substrates.

B-482 offers good corrosion resistance while providing superior toughness and fracture resistance. The intrinsic flexible resin properties of B-482 permit assembly of materials with dissimilar thermal expansion and survive thermal cycling. Yet it offers high tensile strength with the flexibility. Likewise mechanical vibration, shock and impact are easily absorbed by B-482 and while protecting surfaces, bonded assemblies and encapsulated sensitive electronics.

- Semi-flexible two part epoxy, 2:1 ratio
- **Uses:** Potting, Paint, Coating, Adhesive
- **Variations:** TH, Pigmented
- **Elongation:** 30%

B-481 Adhesive, Coating System & Potting Compound



B-481 is specially designed for potting, coating, and adhesive applications for electronics and electrical assemblies, environmental sealing, hard coating for corrosion resistance, structural bonding metals, plastics and elastomers to various substrates with high tensile, shear and peel strength.

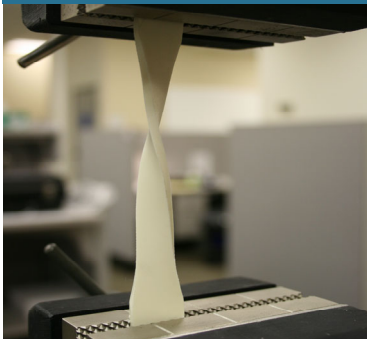
B-481 is suitable for autoclave applications and has excellent impact strength. The intrinsic flexible resin properties of B-481 permit assembly of materials with dissimilar thermal expansion and survive thermal cycling down to -65°F. Yet it offers high tensile strength with the flexibility. Likewise, mechanical vibration, shock and impact are easily absorbed.

Bondable Substrates

Plastics including UHMW, HDPE, PP, PET, PEEK, PPS, PBT, Acetal, ETFE, PVC, PVCF, PVDF, ABS, ECTFE, polyamide, polyimide rubber and urethane compounds on metal, glass, composites, cement, wood, cellulose, copper & nickel.

- Semi-rigid two-part epoxy; 2:1 ratio
- **Uses:** Potting, Paint, Coating, Adhesive
- **Variations:** TH (thixotropic), Pigmented
- **Elongation:** 10%

B-4811 Adhesive, Coating System & Potting Compound



B-4811 is specifically designed for electronics and electrical assemblies, environmental sealing, coating for corrosion resistance, bonding engineering plastics and elastomers to various substrates in extreme environmental conditions.

B-4811 has high thermal stability, readily handling 200°C continuous and is rated for downhole oil and deep-sea applications. B-4811 offers superior corrosion resistance in extreme environmental conditions. Likewise mechanical vibration, shock and impact are easily absorbed by B-4811 while protecting surfaces, bonded assemblies and encapsulated sensitive electronics. B-4811 is suitable for at least 500 cycles of autoclaving in medical applications.

Bondable Substrates

Plastics including UHMW, HDPE, PP, PET, PEEK, PPS, PBT, Acetal, ETFE, PVC, PVCF, PVDF, ABS, ECTFE, polyamide, polyimide rubber and urethane on metal, glass, composites, cement, and wood.

B-4811 when used in conjunction with **BONDit** A-3 affords exceptional corrosion protection for metal surfaces, especially in cathodic / anodic environments. **BONDit** A-3/B-4811 to metal adhesion resists pH 11.0 levels at elevated temperatures of 95°C. With excellent dielectric properties, B-4811 may be used as an electrical encapsulant for high voltage applications. It may then be overmolded with urethanes, high temperature and pressure elastomeric, and thermoplastics molding. B-4811 is especially suited for military applications.

- Semi-rigid two-part filled epoxy, 2:1 ratio
- **Uses:** Potting, Coating, Adhesive, Paint, Primer

B-46 Adhesive, Sealant, & Potting Compound

B-46 bonded to etched PTFE film



Bondable Substrates

Plastics including UHMW, HDPE, PP, PET, PEEK, PPS, PBT, Acetal, PTFE, ETFE, PVC, PVCF, PVDF, ABS, ECTFE, polyamide and polyimides, fiberglass and composites.

Elastomers including EPDM, butyl, neoprene, urethanes, and some thermoplastic elastomers.

B-46 is especially designed for adhesive and potting applications in bonding to **un-prepped** plastics to various substrates. It's very high tack at the bond interface allows adhesion to very low surface energy substrates.

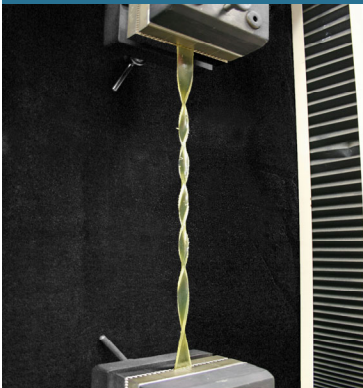
B-46 handles harsh environments and is particularly effective against moisture, salt water, acids, alkalies, oils, gasoline and detergents.

The 400% elongation permits assembly of materials with very dissimilar thermal expansion properties which will survive thermal cycling. Vibration, shock and impact are easily absorbed by B-46. A substantial advantage of B-46 is its capability of excellent peel strength to un-prepped dissimilar materials, including PTFE, and polyethylene and polypropylene films.

B-46 works very well as a re-enterable sealant for cable and transducer terminations that withstands years of submersion in deep-sea and other harsh environments. Assemblies are re-enterable: after disassembly the tacky surface of the adhesive will endure and allow reassembly without further preparation, just like a PSA.

- Two-part epoxy, 1:1 ratio

B-4682 Adhesive & Sealant



Bondable Substrates

Plastics including UHMW, HDPE, PP, PET, PEEK, PPS, PBT, Acetal, PTFE, ETFE, PVC, PVCF, PVDF, ABS, ECTFE, polyamide and polyimides, fiberglass and composites.

Elastomers including EPDM, butyl, neoprene, urethanes, and some thermoplastic elastomers (Hytrel).

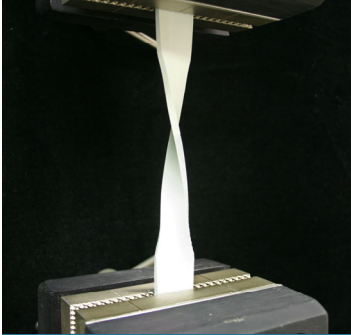
As an electrical encapsulant /sealant B-4682 offers very high shock isolation and protection of sensitive electronics from loads derived from extreme thermal cycling, (- 65°C to 150°C) as well as mechanical shock and vibration.

B-4682 handles harsh environments and is particularly effective against moisture, salt water, acids, alkalies, oils, fuels and detergents. The highly flexible (200% elongation) properties of B-4682 permits assembly of materials with extreme dissimilar thermal expansion.

B-4682 is particularly useful for assembly of low surface energy substrates such as Delrin to itself and an almost unlimited list of other materials, while offering an excellent balance between material strength, peel, shear and tensile bond strengths, chemical resistance, and environmental resistance. This product works very well as a water block sealant for cable and transducer terminations that withstands years of submersion in deep-sea and other harsh chemical environments.

- Two-part epoxy, 1:1 ratio

B-521 Adhesive, Sealant



Bondable Substrates

Good on particularly rigid substrates such as glass, metals and ceramic

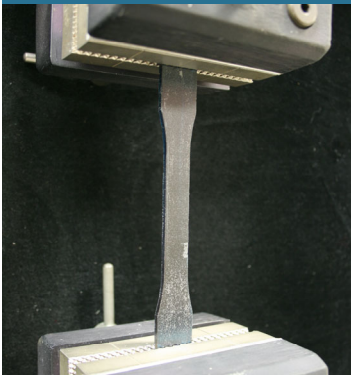
B-521 is a unique epoxy system having a dual glass transition temperature: at higher temperatures of 200°F the system cures in seconds to a rubbery state—a flexible solid. On cooling it transitions into a semi-rigid state, providing high strength with a good balance of impact and shock resistance with enough flexibility to handle thermal cycle.

B-521 offers rapid, structural stress free, curing between glass and plastic. Upon cool-down joint stresses are released to produce a structural stress and fracture free bond between dissimilar materials in minutes. Stress free potting for electronics fast cure is obtained at low temperatures suitable for electronics. Eliminates warping and fractures in assemblies. Excellent for autoclave applications of composite laminates with long pot life for assembly and cure in seconds with a flexible bond line.

- Semi-flexible thixotropic two-part epoxy, off white, 10:1 ratio
- **Cure:** 10 minutes at 170° F
- Fast chemical cure, long pot life

SPECIALTY PRODUCT

B-536 Adhesive (Variant—B-575)



Bondable Substrates

Glass, ceramic, metals, wood and plastics – acrylic, polycarbonate, PEEK, polyolefin and many more polymers

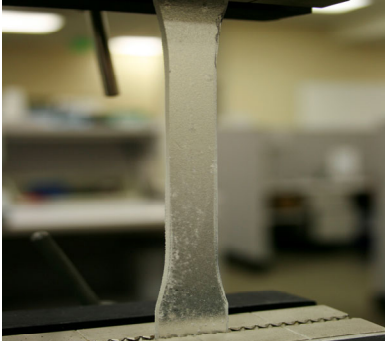
B-536 is a two-part, very high strength, 100% solids, room-temperature curing semi-flexible epoxy resin system. Excellent lapshear and peel strength, with high initial bond strength. Typical example of lapshear bond strength is 1100 PSI for PEEK-to-PEEK and PEEK-to-Steel substrates. B-536 handles harsh environments easily and is effective against moisture, salt water, acids, alkalies, oils, and detergents. B-536 has high thermal stability and offers good corrosion resistance. Likewise mechanical vibration, shock and impact are easily absorbed by B-536 and protect surfaces and bonded assemblies.

B-536 offers excellent chemical resistance, very high tensile strength, even with ambient cure. High thermal stability in a rugged semi-flexible system. The product is also available in the filled (thixotropic) version. B-536 offers outstanding performance for military applications.

- Semi-rigid two-part epoxy 10:1 mix ratio
- **Variations:** TH (thixotropic)
- **Thermal Cure:** B-536 & B-575=10 minutes at 135°F
- **Room temperature Cure:** B-563=10 minutes, B-575=25 minutes

SPECIALTY PRODUCT = B-536TH & B-575TH

B-755 Clear Coat, Adhesive System, Potting Compound



Bondable Substrates

Bonds to many substrates such as GRE circuit boards and FKM elastomer.

B-755 is a unique low viscosity, two-part, high strength, 100% solids, room-temperature curing semi-rigid cyclo-aliphatic epoxy resin system. That has good scratch and impact resistance., it is suitable for clear coat, conformal coating and electrical potting applications.

B-755 handles harsh environments easily and is effective against moisture, salt water, acids, alkalies, oils, fuels, solvents and detergents. B-755 produces very low extract products in soak tests and provides corrosion resistance.

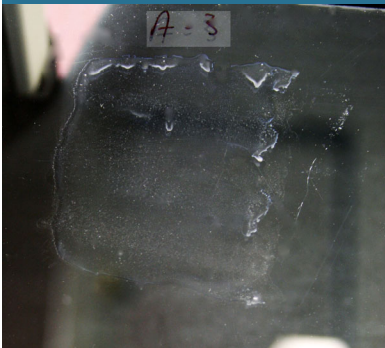
BONDIT B-755 exhibits superior thermal resistance compared to most epoxy systems, particularly those offering ambient curing temperature. High temperature to 600 °F, excellent chemical resistance, high strength even with ambient cure. Rugged semi-rigid system.

Excellent for fuel cell applications.

- Cyclo-aliphatic two-part epoxy, 4:1 ratio
- **Thermal Cure:** 10 minutes at 135°F

SPECIALTY PRODUCT

A-3 Adhesion Promoter, Primer, Adhesive



Bondable Substrates

Plastics including UHMW, PE , PEI, and ETFE.
Also glass, metals, and ceramics

A-3 is a high performance, high temperature moisture resistant, primer, adhesive, adhesion promoter and additive used with metals, glass & ceramics, elastomers and polymers.

A-3 offers a wide range of capabilities for promoting moisture resistance chemical bonding between minerals and polymers, as well as dissimilar polymers. It is used as a primer coat and additive for other **BONDIT** coatings and encapsulants.

A-3 may be used as an additive to other coatings, fiber fills, and adhesives to promote superior improvement in performance in harsh environments.

A-3 is suitable for bonding semiconductor material and is especially suitable for military applications such as submarines, cable-connectors for cathodic environments.

Used as adhesive for very thin bond lines (½ mill) such as for glass-to-glass and glass-to-polyethylene bonding.

Compatible for use with **BONDIT** B-4X epoxy series.

- **Color:** Water white to slight amber
- **Ambient cure:** 60 minutes
- Or accelerated thermal cure.

A-37 Adhesion Promoter, Primer, Adhesive



A-37 promotes chemical reactions with polymers previously considered non-reactive, and bonds with many dissimilar polymers: silicone, polyolefins, UHMW PE, PEI.

It works as a primer coating on metals, glass, ceramics, and dissimilar polymers for adhesion of thermoplastics, thermoset, and rubbers, particularly for silicone rubber.

A-37 creates polymer and adhesive bonds that are highly moisture and corrosion resistant, and gives an outstanding performance in high pH environments.

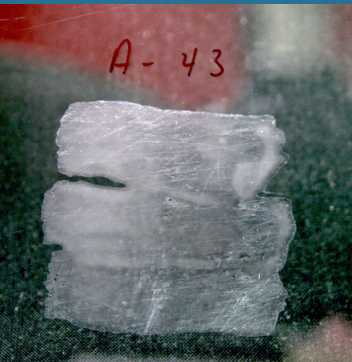
Bondable Substrates

Bonds to UHMW, PE, PEI, silicone, polyolefins, and other dissimilar polymers.

Primer for metals, glass, ceramics, and dissimilar polymers for adhesion of thermoplastics, thermoset, and rubbers.

- Can be applied directly to substrate by brush or spray for a clear coat (may have hazy edges if oven cured)
- **Color:** Water white to slight yellow tint
- **Operational temperatures:** up to 200 °C.
- **Typical Properties:** 4.5-8.5 cps @ 25°C (ASTM D445), 1.018-1.038 specific gravity (ASTM D 1298), and a refractive index of 1.4420-1.4480 (ASTM 1218).

A-43 Adhesion Promoter, Primer, Adhesive



Promotes adhesion with previously considered non-reactive polymers, and bonding between many dissimilar polymers with and without adhesives.

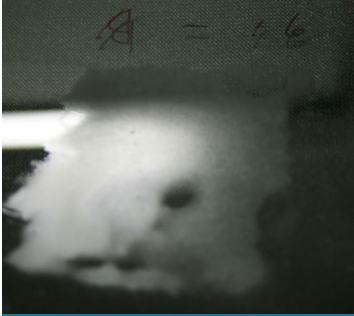
A-43 is a high performance, high and low temperature one-part primer, adhesive, adhesion promoter for metals, glass & ceramics, elastomers and polymers.

A-43 offers a wide range of capabilities for promoting single coat chemical bonding between minerals and polymers, as well as dissimilar polymers. It is used as a primer coat for other **BONDIT** coatings and encapsulants.

Bondable Substrates

Polyethylene, polypropylene, epoxy, esters, urethanes, fluoropolymers, silicone, rubbers, glass, ceramic and metals. A one part, one coat, thin film, ambient or thermal cure primer on metals, glass, ceramics and plastics for adhesion of thermoplastics, thermoset, rubbers and urethane molding.

A-46 Clear Coat & Sealant



Bondable Substrates

Clear coat for metals such as copper, stainless steel, aluminum, glass, ceramic, composites and plastics. Protects motor stator laminations from corrosion, seals circuit boards from seawater, and permeates and seals porous ceramic. Good adhesion to plastics, epoxy, urethanes, glass, ceramic and metals.

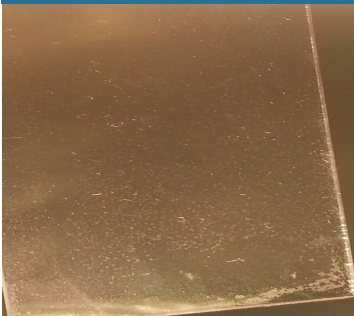
A-46 is a high performance, high and low temperature one-part thin coat sealant and architectural clear coat for metals such as copper, stainless steel, aluminum, glass, ceramics, composites and plastics.

A typical single coating of 0.002" (5mm) thick provides excellent corrosion protection, with a pinhole free coating in a single 0.002" thick application. Copper test plates, after 6 months exposure to heavy winter rains showed no signs of corrosion or loss of architectural quality and no degradation from sun exposure.

A-46 offers very high chemical resistance, including continuous submersion in water. The coating is used to protect motor stator laminations from corrosion, seal circuit boards from seawater, permeate and seal porous ceramic without alteration in architectural appearance, permeate into minute crevasses to seal cracks and provide thread locking properties.

Suitable for high operational temperatures.

A-53 Adhesion Promoter, Primer, Adhesive



Bondable Substrates

Promotes bonding to epoxy, polyester, urethane, and many thermoplastics, thermosets, siliceous surfaces like glass and ceramic, and most metals.

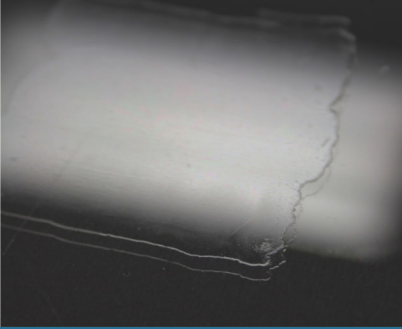
Thin film primer for ceramics, glass, metals, and plastics for coatings of acrylic, alkyl, butyl, epoxy, phenolic, polyester, urethane, and vinyl.

A-53 is a broad based adhesion promoter and primer that will not poison cationic cure systems, particularly UV and EB cure systems.

It is suitable for bonding between many dissimilar polymers with a wide range of adhesives types. It provides good adhesion to substrates of epoxy, polyester, urethane and many thermoplastics, thermosets, siliceous surfaces like glass and ceramic, as well as most metals.

- This is a one-part, one coat, thin film, rapid ambient or thermal cure primer on metals, glass, ceramics and plastics for coatings of epoxy, urethane, acrylic, vinyl, alkyd, polyester, butyl and phenolic.
- Typical properties are: 4.5-8.5 cps @ 25°C (ASTM D445), 1.018-1.038 specific gravity (ASTM D1298) and is water white to slight yellow tint.
- Can be applied directly to substrate by brush or spray for a clear coat (may have hazy edges if ambient cured).

C-52 Bonding Agent, Adhesion Promoter, Primer, Adhesive



C-52 is an all-around general purpose, one-part primer, adhesion promoter and adhesive with moderate chemical resistance for metals, glass & ceramics, thermoplastics and thermoset polymers.

C-52 offers a wide range of capabilities for promoting single coat chemical bonding between coatings, sealants and adhesives of very diverse properties to mineral and polymer substrates.

Especially suitable for military applications.

Bondable Substrates

Promotes bonding to polystyrene, ABS, polyimide, polyamide, PBT, polyamide-imide, polycarbonate, PPS, polysulfone, PVC, polyvinylbutyral, melamine, phenolic, polyolefin and many other thermoplastics, thermosets, and siliceous surfaces like glass and ceramic, as well as most metals.

It is especially useful as a primer and adhesion promoter for injection molding to metal and glass with polyethylene, polypropylene and polyolefins in general, PPS, PVC, PBT, ABS, polysulfone, polystyrene, polyamide (nylon 6 and 66), polyamide, polyimide, polyvinylbutyral, melamine, polycarbonate, polyester, polyether, phenolic and epoxy, with molding temperatures up to 328°C/622°F.

C-6 Bonding Agent, Adhesion Promoter, Primer, Adhesive



C-6 is an all-around general purpose, one-part primer, adhesion promoter and adhesive with moderate chemical resistance for metals, glass & ceramics, thermoplastics and thermoset polymers.

C-6 offers a wide range of capabilities for promoting single coat chemical bonding between coatings, sealants and adhesives of very diverse properties to mineral and polymer substrates. It is used as a primer coat for other **BONDIT** coatings and encapsulants.

Bondable Substrates

Promotes bonding to polystyrene, ABS, polyimide, polyamide, PBT, polyamide-imide, polycarbonate, PPS, polysulfone, PVC, polyvinylbutyral, melamine, phenolic, polyolefin and many other thermoplastics, thermosets, and siliceous surfaces like glass and ceramic and most metals.

Introductory Sample Kit



Our factory 'Intro Kits' are the best way to test our reliable and advanced products before committing to production level quantities.

It puts the choice in your hands to decide what combination of B-Series Epoxies you want to test to find a product that fits your project right. Contact our Tech Support to receive assistance with finding the best products for your project.

These kits also include all the necessary tools and instructions you need to get started.

The Intro Kit can be a way to get that project you've been working on fixed and ready to go.

Standard Intro Kit

Value Price = \$100.00

B-755 Intro Kit

Value Price = \$150.00

Limit 3 kits per product per customer.

Standard Intro Kit:

- (2) B-Series in 50 ml cartridge*
- (2) 6 inch/15.24 cm or 2.5 inch/6.35 cm Static mixer
- (1) Dispensing plunger

B-755 Intro Kit:

- (2) B-755 in 50 ml cartridge
- (2) 6 inch/15.24 cm or 2.5 inch/6.35 cm Static mixer
- (1) Dispensing plunger

*Specify "B" products of your choice (excluding Specialty Products).

Technology Assessment Kits



Our expanded Intro Kits, aka "Tech Kits" offer the ability to combine our extensive product lines into one, value kit, tailored specifically to your testing needs.

With these kits, you chose the combination of products you want to test to find the products that fit your project right. Contact our Tech Support to receive outstanding assistance with finding the best products for your project.

These kits also include all the necessary tools and instructions you need to get started.

Standard Tech Kit

Value price = \$150.00

Deluxe Tech Kit:

Value price = \$200.00

Limit 3 kits per product per customer.

Standard Tech Kit:

- (1) B-Series in 50 ml cartridge*
- (1) A or C-Series in 5 ml syringe*
- (1) 6 inch/15.24 cm or 2.5 inch/6.35 cm Static mixer
- (1) Dispensing Plunger

Deluxe Tech Kit:

- (2) B-Series in 50 ml cartridge*
- (1) A or C-Series in 5 ml syringe*
- (2) 6 inch/15.24 cm or 2.5 inch/6.35 cm Static mixer
- (1) Dispensing plunger

*Specify "B" products of your choice (excluding Specialty Products).

Splice Kit



Our field tested Splice kits have been deployed in deep sea and naval operations since 1991.

We combine the use of our adhesives and sealant technology and shaping compound to splice and terminate cables of all sizes. We employ a shrink tube, pre-coated with our specialty adhesion promoters to surround the fixture and complete a seal around the cable to provide complete adhesion/cohesion to many substrates.

Splice kits are custom made for each customer and their needs through the use of our dynamic Technical Department in order to make sure the splice kit you get is the perfect one to fit your needs.

Included in every splice kit is a variety of tools, compounds and adhesives that will terminate your cable the right way.

Common Kit Price = \$160.00
(subject to change based on customization)

Most common kits include:

- One B- Series epoxy
- Pre-coated Shrink tube
- Mixing and handling tools
- Surface preparation tools
- Personalized instructions

Some kits can include:

- One 5ml syringe of a adhesion promoter/ Sealant

PTFE Bonding Kit



Un-paralleled adhesive technology combined with an industry proven fluoro-polymer etchant make up our worldwide distributed PTFE Bonding Kit. We use our technology to bond dynamically to many of the industries PTFE surfaces with adhesion that is incomparable. Combined with our adhesives, the Etchant we employ chemically alters the surface, wetting, and bonding to all fluouropolymers including: PTFE's, PFA's, FEP's, ETFE's, PVDF's and many more.

We encourage our Customers to tailor their Kit to their specific needs by custom-picking their adhesive to match their application. This includes all our off-the-shelf **BONDIT** products, making your PTFE Bonding Kit fully customizable and ready to give your application the bond strength it needs now.

BONDIT/SEALIT A and C line products can be combined at an extra cost to boost bond strengths in certain cases giving your project the superior bonding capabilities that are unsurpassed in the market. See Pricing page for cost of those individual products.

Kit Includes: (1) B-45TH* in 50 ml cartridge, (2) 2 oz bottles of Fluoropolymer Etchant, (1) Dispensing Plunger, (1) 6" Static mixer, (2) Acid brushes, (2) Petri dishes, (1) Wooden mixing stick

***Another B-Series product can be substituted.**

- High bond strength
- Works on many plastics
- No handling issues
- Easy to use

Price Per Kit= \$189.00

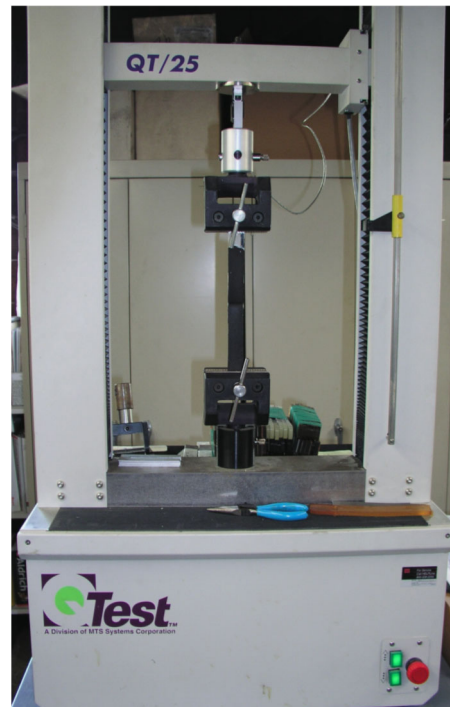
(Tech Support is available to help you choose the best products for your project.)

Experience the full customer support RELTEK provides, at the outset of your – projects, to get quick solutions and a faster track to market.

Engineering and manufacturing process consultation and technology services are available for manufacturers of equipment utilized in harsh environments.

Bundled technical services are offered at minimal cost for support during the process of selecting just the right products for your application.

- Research & development
- Engineering & design
- Technology & information assistance
- On-site technical evaluation
- Cathodic resistance testing
- Pressure testing
- Bonding services
- Coating services
- On-site application
- Environmental testing
- Water migration resistance
- Water Block, splicing & termination
- Accelerated life testing (ALT)
- PTFE etching
- Tensile, lap shear & displacement testing
- Existing Product evaluation with modification advice



Tech Support is available to help you choose the best products for your specific project.

**See our Website for more Products and Information.
www.relteklc.com**

Surface Area Coverage Estimates and BONDit Properties

B - Series		A - Series & C - Series	
Size	Sq. Ft. Coverage	Size	Sq. Ft. Coverage
50 mL cartridge	3	5 mL syringe	2
200 mL cartridge	12	1 fl. oz. bottle (29.57 mL)	12
2 Qt. Kit (1.89 L)	108	2 fl. oz. bottle (59.15 mL)	24
3 Qt. Kit (2.84 L)	163	4 fl. oz. bottle (118.29 mL)	49
1.5 Gallon Kit (5.68 L)	326	8 fl. oz. bottle (236.59 mL)	98
7.5 Gallon Kit (28.39 L)	1,632	16 fl. oz. bottle (473.18 mL)	196
All calculations assume coating or bondline thickness of 0.007" (.0178 cm)		32 fl. oz. bottle (946.35 mL)	393
Conversion Rates:		1 Gallon can (3.79 L)	1,572
1 gallon (3.79 L) = ~(76) 50 mL cartridges		5 Gallon can (18.93 L)	7,860
3 quarts (2.84 L) = ~(56) 50 mL cartridges		All calculations assume coating thickness of 0.001" (.0025 cm)	
1 gallon (3.79 L) = 3785 mL			
1 gallon = 4 quarts			
1 quart = .946 mL			

B Series Adhesives									
	Low			Medium			High		
Chemical Resistance	B-46	B-4682			B-536 B-45	B-482		B-481	B-4811
Elongation	B-536 B-4811	B-481 B-52			B-45		B-4682		B-46
Flexibility	B-481	B-536			B-52 B-521 B-482			B-45	B-46
Tensile Strength	B-46	B-461			B-45 B-52	B-481 B-521	B-4811 B-4821	B-481	B-536
Peel	B-536	B-481	B-4811	B-521	B-481 B-52	B-45			B-46

A and C Series Primers									
	Low			Medium			High		
Chemical Resistance			C-6		A-43				A-3 A-46
Bond Strength			C-6		A-3				A-43
Wettability				C-52	C-6		A-43		A-3

Typical Properties of A and C Series Primers

Property	Value
Viscosity @ 25°C, ASTM D445	4.5-8.5
Specific gravity, ASTM D1298	1.018-1.038
Refractive index, ASTM D1218	1.4420-1.4480
Color	Clear with stray color

RELTEK Factory Direct:

We welcome all enquiries regarding direct product purchase and use of all our products.

- **To order**, either Email (reltek@reltekllc.com), Phone (TOLL FREE 1-855-932-6634), or Fax (1-707-284-8812) your request. Regular business hours are Mon.-Fri. 9:00am-5:00pm PST.
- **Minimum order** amount is **\$100USD** (any combination of products and/or tools).
- **Lead times** vary from **days to weeks** depending on volume, quantity, type, & availability of product ordered. Orders are filled to spec. Please **contact us** for estimates. Detailed lead times are provided at the time of purchase.
- **Shipping carrier** options are UPS or FedEx. **Our products cannot be delivered to P.O. Boxes.**
- Freight is either pre-paid & added to invoice, or shipped collect on customer account.
- **Domestic payment** terms are pre-pay by Credit Card, ACH, PayPal (PayPal email: accounting@reltekllc.com), or Wire Transfer (**\$25.00USD** fee).

International Specifics-

- An International Documentation fee of **\$40.00USD** *may* apply to certain orders.
- Our products are considered Hazardous. Shipping restrictions occasionally apply to certain locations.
- International payment terms are pre-pay by Credit Card (no processing fee), PayPal (PayPal email: accounting@reltekllc.com), or Wire Transfer (**\$25.00USD** fee). A proforma invoice can be provided upon request.

Distributors:

We are happy to offer the following list of present Distributors and representatives who effectively further the RELTEK product mission of highest quality and customer service.

US Amazon-

RELTEK products are now available on [Amazon.com](https://www.amazon.com). Search **Google** for "RELTEK Amazon". Items ship directly from our manufacturing location in Santa Rosa, CA.

US Stocking Distributors-

- McMaster Carr: [mcmaster.com](https://www.mcmaster.com)
*Search their site using their Part Numbers.

US Non-Stocking Distributors-

- Ellsworth: [ellsworth.com](https://www.ellsworth.com)
- Port Plastics: [portplastics.com](https://www.portplastics.com)
- Laird Plastics: [lairdplastics.com](https://www.lairdplastics.com)
- Grainger: [grainger.com](https://www.grainger.com)
- Fastenal: [fastenal.com](https://www.fastenal.com)

China Stocking Distributors-

- Duncotek (sub of Sino-Resource):
[duncotek.com](https://www.duncotek.com) ([sino-resource.com](https://www.sino-resource.com))

McMaster-Carr's PN for RELTEK Products		
<u>RELTEK Product</u>	<u>Size/Contents</u>	<u>McMaster Part #</u>
B-45	50ml/1.7oz cartridge	7513A3
B-45TH	50ml/1.7oz cartridge	7513A1
B-45TH	1.5Qt/48oz container	7513A2
B-46TH	50ml/1.7oz cartridge	7513A6
B-4811	1.7oz cartridge	7513A4
Deluxe PTFE Bonding Kit	4oz Etchant, 1.7oz B-45TH, tools	7807A11
Stndrd. PTFE Bonding Kit	2oz Etchant, 1.7oz B-45TH, minimal tools	7607A15

B - Series
B-45, B-45TH, B-481,
B-481TH, B-482, B-482TH, B-4811

<u>2:1 Ratio</u>	<u>Each (\$)</u>
50 ml cartridge	70.00
200 ml cartridge	278.00
3 Qt. Kit (2.84 L)	490.00
1.5 Gallon Kit (5.68 L)	814.00
7.5 Gallon Kit (28.39 L)	2,854.00
30 Gallon Kit (113.56 L)	8,080.00

**B-46, B-46TH,
B-4682, B-4682TH**

<u>1:1 Ratio</u>	<u>Each (\$)</u>
50 ml cartridge	70.00
200 ml cartridge	278.00
2 Qt. Kit (1.89 L)	490.00
1 Gallon Kit (3.79 L)	814.00
10 Gallon Kit (37.85 L)	2,854.00
30 Gallon Kit (113.56 L)	8,080.00

B-536, B-575, B-521, B-52

<u>10:1 Ratio</u>	<u>Each (\$)</u>
50 ml cartridge	70.00
200 ml cartridge	278.00
2 Qt. Kit (1.89 L)	490.00
1 Gallon Kit (3.79 L)	814.00
11 Gallon Kit (41.64 L)	2,854.00
30 Gallon Kit (113.56 L)	8,080.00

B-755 Specialty Product

<u>4:1 Ratio</u>	<u>Each (\$)</u>
50 mL cartridge	87.00
200 mL cartridge	326.00
2 Qt. kit (1.89 L)	596.00
1 Gallon kit (3.79 L)	994.00

A - Series & C - Series
A-3, A-43, A-46, A-37, A-53,
C-6, C-21, C-24, C-52

<u>One Part Primers</u>	<u>Each (\$)</u>
5 ml syringe	118.00
1 fl. oz. bottle (29.57 mL)	405.00
2 fl. oz. bottle (59.15 mL)	524.00
4 fl. oz. bottle (118.29 mL)	686.00
8 fl. oz. bottle (236.59 mL)	846.00
16 fl. oz. bottle (473.18 mL)	1,010.00
32 fl. oz. bottle (946.35 mL)	1,169.00
1 Gallon can (3.79 L)	2,424.00
5 Gallon can (18.93 L)	5,792.00

Cartridge Dispensing Tools

<u>50 mL cartridges</u>	<u>Each (\$)</u>
Manual Handgun (& plunger)	98.00
6" (15.24 cm) Static Mixer	3.00
Plungers (1:1/2:1, 10:1, 4:1)	6.00

<u>200 ml cartridges</u>	<u>Each (\$)</u>
Manual Handgun (&plunger)	351.00
Pneumatic Handgun (&plunger)	605.00
Static Mixer	3.00

Kits

<u>Kit</u>	<u>Each (\$)</u>
Intro. Kit	100.00
Intro. Kit B-755	159.00
Standard Tech. Kit	150.00
Deluxe Tech. Kit	200.00
PTFE Bonding Kit	189.00
Splice Kit	~160.00

Prices subject to change. Check our website or Contact Us for current pricing.

< www.reltekllc.com >



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Digital PDF of RELTEK Brochure is available on the website.



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