

ENGINEERED COMPOSITE SOLUTIONS FOR MUNICIPAL AND POWER



SYNTHO • GLASS®

Fiberglass Water-Activated Composite Solution

Syntho-Glass® is the original, patented fiberglass pre-impregnated composite that is activated by salt or freshwater. Packaged in a hermetically sealed foil pouch, it is ready to use and does not require any measuring or mixing. This system, when used with the appropriate primary patch, enables you to repair and reinforce virtually any diameter pipe in minutes. Syntho-Glass not only restores a pipe to its original psi rating, but actually can make the repair area stronger than the original pipe, plus it reduces downtime, saving you thousands in parts and labor. It is safe to use, nontoxic, noncombustible, and odorless. Syntho-Glass is a versatile solution for industries where quick-action repair can be critical.



SYNTHO • GLASS® UP

Repair Kit for Active Pipe and Joint Repair

Syntho-Glass®UP Repair System was specifically designed for under pressure repair applications on copper, steel, SS, PVC, FRP, clay, concrete, rubber, and more. By combining the original Syntho-Glass® product, with the extremely chemically resistant Syntho-Steel™ and unique Pressure Sealing Rubber Tape, this offers the geometric flexibility to repair joints, tees, couplings, and pinholes. This complete system simplifies the application process and is prepackaged to accommodate pipes up to 10 inches in diameter. Larger repair applications can be engineered to meet your requirements.



SYNTHO • GLASS® NP

Repair Kit for Cracked or Broken Pipes and Joints

Syntho-Glass® NP Repair System was specifically designed for depressurized repair applications on copper, steel, SS, PVC, FRP, clay, concrete, rubber, and more. By combining the original Syntho-Glass® product, with the extremely chemically resistant Syntho-Steel™, this offers the geometric flexibility to repair joints, tees, couplings, and pinholes. This complete system simplifies the application process and is prepackaged to accommodate pipes up to 10 inches in diameter. Larger repair applications can be engineered to meet your requirements.



SYNTHO • GLASS® UV

Two-Part Steel Reinforced Epoxy Putty

Syntho-Glass®UV has been specifically designed to be a superior wrapping system for soil to air interface, water to air interface and pipe support areas to prevent future corrosion and abrasion due to mechanical impact, frost heave, crevice corrosion, galvanic corrosion, HAZ corrosion, and vibration abrasion. This system provides exceptional mechanical and impact protection on steel (CS & SS), galvanized, concrete, FRP, iron, PVC, and wood. Syntho-Glass UV can be used underwater, underground or on above ground pipes and piles.





SYNTHO STEEL

Two-Part Steel Reinforced Epoxy Putty

Syntho-Steel™ is a two-part, steel reinforced epoxy putty. It cures in minutes and can repair most anything made of metal, masonry, wood, ceramic, glass and plastics. Syntho-Steel contains no solvents, is non-toxic and easily prepares for application. Unlike liquid epoxies, Syntho-Steel will not drip or sag and will set on wet surfaces. NSF 61 approved for use with potable water.



SYNTHO POXY™ HC

Two-Part Epoxy Compound

Syntho-Poxy™HC is a two part epoxy compound that cures quickly at room temperature. Its high compressive strength makes it very suitable for repairing pitted metal and steel surfaces that are subjected to high pressure. Syntho-Poxy HC's fast cure and extremely high bond strength make it ideal for many tough repair projects where normal epoxies won't hold up. The mix ratio of Syntho-Poxy HC resin to hardener is 1:1 by weight and volume. When fully cured, the material produces a durable, resilient bond that is resistant to many solvents and adverse environments.



SYNTHO SUBSEA™ LV

Low Viscosity, Self Leveling, Underwater Epoxy Mastic Sealant System

Syntho-Subsea™LV Epoxy is a unique blend of liquid epoxy, polymer, and aliphatic polyamine curing agents that is able to displace water from wet surfaces in order to make a permanent bond. The formulation is solvent-free to ensure safety and maximum technical performance. Kevlar® fibers are incorporated for reinforcement and viscosity management to achieve high-application rates – even underwater. While providing permanent protection under the most adverse conditions, the formula is uniquely field-friendly and uses advanced, low-toxicity ingredients in a high-build brushable/rollable product. Syntho-Subsea LV Epoxy can be shipped nonregulated by USDOT, IATA, and IMO.

History

Neptune Research Inc. (NRI) has been engaging in the research, development, manufacture, and marketing of pre-impregnated composites that restore and provide protection and reinforcement to pipes, pipelines, and civil structures. NRI products are used internationally and serve a broad range of markets including: oil and gas, marine, municipalities, mining, and utilities.

NRI's core business focus is in the development and manufacture of moisture-curable composites for the retrofit and reinforcing of defects and anomalies in pipelines as well as civil structures. With help from NRI, our clients can restore and protect their assets that are degrading or in jeopardy of failure. NRI provides the perfect solutions for in-service repairs, allowing its clients to continue operations in a quick and reliable manner. Clients save millions in costs, as well as in lost revenues, by enabling them to repair and reinforce to original design specification out in the field.

By offering a wide variety of products, this ensures that NRI is providing the necessary tools for structural reinforcement and pipeline repair with cutting-edge solutions. Pioneering composites for more than 25 years, NRI has earned its leadership position in this expansive industry.

©Neptune Research Inc. (NRI) Syntho-Glass®XT is a registered trademark of NRI. Viper-Skin™, Trident-Seal™, Trident-Wrap™, Syntho-Sleeve™, Syntho-Poxy™HC, Syntho-Subsea™LV are trademarks of NRI. Trident-Seal is patented, and Syntho-Sleeve is patent pending. NRI utilizes a process of continuous product improvement for all of our products. While we do strictly adhere to our products' specifications, we routinely implement product improvements. Therefore, please contact your local NRI distributor or office for the most current product specifications. NRI warrants the quality of this product when used according to directions. User shall determine suitability of product for use and assumes all risk. The seller will not accept liability for more than product replacement.

Kevlar® is a registered trademark of E. I. du Pont de Nemours and Company.

