StomaSeal®

StomaSeal® for pipe, tank and insulation protection.

StomaSeal® is a 1-component ultra violet (UV) light curable glass reinforced polyester material, manufactured in sheet form. A matrix of resin, fillers and E-type glass reinforcement is sandwiched between 2 nylon films. StomaSeal is a versatile material that will increase the quality, speed and efficiency for applications and repairs in many industries.

For Pipeline Rehabilitation

Safe and easy handling

StomaSeal is a special low styrene formulation polyester which contains approximately one third of the usual two component liquid polyester resins. The nylon films which minimize emissions and facilitate handling and shaping, can be marked out when transferring templates. In uncured state StomaSeal is extremely soft, pliable and can be cut into shape or size using craft knife or scissors. It can be moulded in any shape or form, wrapped around or laid on and bonded to any clean surface.

StomaSeal is resistant to most chemical acids, to many solvents, to high and low temperature and has no known adverse reactions with any metals. StomaSeal is cured by exposure to UV light. Curing time is determined by strength of the UV source. Curing time outside depends on daylight conditions. In enclosed areas UV lamps are used (for details contact our technical department). When fully cured all styrene emissions cease, unlike conventional resins where emissions continue for a considerable time. Relatively little heat is generated by StomaSeal whereas the strong exotherm of conventional resins can create problems with shrinkage.

Because of its excellent strength, chemical protection and extremely good vapor barrier, StomaSeal is a durable protection for insulation and can be used for many other applications. Our technical department can give you full information.
**Installation Instructions**

**Important:** Surfaces must be dry, free from dust, oil, grease, wax and all loose material. Apply StomaSeal to surface to be repaired. Some surfaces may require special adhesive prior to application. Expose to ultraviolet light (daylight) to harden to a permanent cure.

Clean off surface with brush/cloth/degreaser. Measure amount needed and cut to shape easily with scissors or a craft knife.

Peel off pink backing and apply adhesive to surface and press firmly into place.

Use a roller on the edges to ensure the sealing of the material.

Cover all edges with transparent tape to ensure a flat sealing. Lie flat in order to receive good contact pressure to the pipe.

UV light curing: 3-5 minutes in full sun, 5-10 minutes in partial sun, 15-30 minutes in cloudy conditions, or 5 minutes with a UV lamp.

**Furthur Applications:**

StomaSeal not only protects plastic encased pipes and plastic tubes, but can also be used on other applications including: horizontal drilling projects, 2-layer PE pipe, and on projects using casing spacers.

For more information on StomaSeal, please contact our office:

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Introducing the StomaSeal protection system - this multi-layer polyester lining sheet which cures by UV-light, gives an extreme waterproof protection to insulated systems and is capable of withstanding high impact.

**Total Flexibility.**
StomaSeal® has been extensively developed to be used across a broad range of applications typically - pipe work, vessels, tanks, valves and many other installation in land based or offshore environments. Comprehensive installation instructions can be provided.

**Corrosion Prevention.**
StomaSeal® is a seamless protection, which provides a waterproof solution for insulation. Because of its high vapor barrier, StomaSeal® gives excellent corrosion protection at extremely low and high temperatures to satisfy the most demanding maintenance environment.
**System description.**

StomaSeal® is a GRP, produced as a multi-layer system between two plastic films. The material contains polyester resins, fillers and glass. This pre-impregnated material, which is ready to use, **cures by UV-light**. Once cured StomaSeal® will give a durable weatherproof outer cover.

**Application.**

StomaSeal® is supplied on a roll, which is 3 feet wide and 33 feet long. The material can be easily cut to any size using a knife or scissors. No pre-fabrication is needed and application can take place directly on-site. Once employees are trained, StomaSeal® is easy to use and handle.

**Tested to the extreme.**

In order to meet the technical requirements of today’s stringent operational environments, StomaSeal® has undergone a rigorous program of extensive testing to provide the reassurance needed to give the user confidence in the effectiveness and protection by the product.

For further Technical or Sales advice on StomaSeal®
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