



WrapFill 811™

PUTTY FOR MECHANICAL REINFORCEMENT SYSTEM
DATA SHEET

PRODUCT DESCRIPTION

WrapFill 811™ is a unique blend of liquid polymers and proprietary curing agents that can displace water from surfaces to make a permanent bond. The formulation is free of solvents to ensure maximum performance. Kevlar™* fibers are integrated for stiffness and viscosity management to assure application even in adverse conditions.

WrapFill 811™ is a filler putty designed for use in ducts where there is loss of thickness. WrapFill 811™ is capable of displacing wet surfaces to establish a permanent bond to the substrate. The standard base color is WHITE which is mixed in equal quantities with the BLACK curative. The result of this mixture is a GRAY color. This system is not regulated by the US Transportation Agency, USDOT, AITA and IMO. * Kevlar is a registered trademark of DuPont.

MAIN FEATURES

COMPOSITE REPAIRS: Can be used in combination with compounds such as TitanWrap™

ADHERENCE: It can be adhered to the substrate under or above the water.

SURFACE PREPARATION

Prepare the surface thoroughly by removing any sediment and creating an anchor profile of ~1.5mils. The system at the time of mixing has a curing time of 3 minutes.

APPLICATION CONDITIONS

INITIAL PREPARATION: Prepare all the materials to be used well before the application, since the curing period is very short (3 minutes) and you will not have much time to improvise.

MIXING PROCEDURE: WrapFill 811™ is supplied in equal volumes. It mixes in equal amounts based on the size of the defect to be covered. For underwater line applications, they should be applied and mixed immediately prior to application.

APPLICATION

UNDERWATER Take the mixed WrapFill 811™ in a can or bucket, this will free up one hand to have a hook secured to a girdle. This helps you hold on during application as visibility will be very poor and the use of a flashlight is recommended. Applicators like wide putty knives or plastic ruler glue spreaders work well on most surfaces. Painters' mitts work well on tubular sections such as risers. WrapFill 811™ has a strong tendency to adhere to underwater surfaces and any expensive equipment should be protected by using plastic suits or bags to cover exposed surfaces.

OUT OF WATER: Surface shall be completely clean to bare, apply using an appropriate instrument such as a spatula. Mix equal amounts of base and healing agent. Curing time is approximately 3 minutes.



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TECHNICAL PROPERTIES

PROPERTIES	Values
Vehicle type	Epoxy / proprietary
Pigmentation	Color/Inert/fibrous reinforcement
Colors	Standard US Navy Haze Gray
Finish	Slight texture
Thinner	Not normally required
Cleaner	MEK or lacquer thinner
Mixing ratio	1.0 / 1.0 v/v
Induction time	Not required
Pot Life	Approx. 3' / 77°F
Flash point	Over 200°F
Solid by volume	100%
Spreading rate/gal	1604 mil/ft ² ./gal, 53.5 ft ² ./gal @ 30 mils
Dry time, (dust free)	5 mins. at 77°F
Dry time, (service)	5 – 10 mins. light duty, full cure in about 12 hours
Application method	Spatula
Storage conditions	Between 35°F – 95°F in their original containers
VOC	Essentially zero

SAFETY PRECAUTIONS

This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

TECHNICAL SERVICE

For any technical questions regarding the use of our products, let us support you by contacting our technical sales department.

WARRANTY DISCLAIMER.

TITANWRAP will not be in any case responsible for damages of any nature that may arise from improper use of the product. Before using it, the user must determine whether the product is suitable for its intended use, assuming all risk and liability that may arise from its use.

If it is proven that a product is defective due to material or manufacturing at the time of sale or does not meet the properties indicated in this technical sheet during the warranty period, the only responsibility of TITANWRAP will be to replace the buyer with the amount of product that appears defective. TITANWRAP does not assume any responsibility for any additional costs such as costs of manufacturing, removal, or re-application of the products. If TITANWRAP offers its client an express or implicit guarantee, or compensation that differs from those established in this technical sheet, said stipulation can only be altered by means of an agreement signed by the parties.