

SeaShield™ Marine Systems

SeaShield™ 525 TG Epoxy

Thixotropic injectable epoxy

SeaShield 525 TG Epoxy is a 2-component 100% solids epoxy formulated to be injected into the fiberglass form tongue & groove to provide superior adhesion.

Physical Properties

(unmixed) @ 77°F (25°C)

Component “A” (resin):

Specific Gravity	1.43
Viscosity	Thixotropic Paste
Color	White
Shelf Life (closed containers)	2 Years

Component “B” (hardener):

Specific Gravity	1.28
Viscosity	Soft Gel
Color	Amber
Shelf Life (closed containers)	2 Years

Physical Properties

(mixed) @ 77°F (25°C)

Specific Gravity	1.34
Viscosity	Thixotropic Paste
Color	Amber
Solids by weight	100%
Pot Life (200g)	60 Minutes

Mixing Ratios

		Wt.	Vol.
Base	“A”	100	1
Hardener	“B”	89.71	1

Surface Preparation

All surfaces must be thoroughly cleaned of grease, oil, dust, and other interference materials.

Application

A pneumatic or manual cartridge gun may be used to inject the SeaShield 525 TG Epoxy cartridges. Attach the static mixing tube to the end of the cartridge. The cartridges shall then be inserted into the gun. (It is recommended that the SeaShield 525 TG Epoxy cartridges be stored in a controlled environment between 65°F (18°C) to 90°F (32°C) for easier installation). Insert the end of the static mixing tube into the groove of the fiberglass jacket and begin injecting the SeaShield 525 TG Epoxy. The tongue and groove shall be filled approximately half full throughout the length of the jacket. Do not fill groove until just prior to installing the fiberglass jacket around the pile. It is important to be careful of set times to make sure SeaShield 525 TG Epoxy does not set up prior to installing the jacket.

Set Times

Initial Set @ 77°F (25°C)	80 minutes
Initial Set @ 97°F (36°C)	50 minutes

Clean Up

Mek/Zylol — 50:50 mix should be used.

CAUTION: This solvent is flammable so there must be no open lights, flames, sparking motors or pilot lights in the vicinity. Smoking near the solvent is to be forbidden. All equipment must be cleaned immediately after use. Acetone is a suitable alternate to Mek/Zylol.

Safety and Toxicity

The epoxy resins and hardeners used in SeaShield 525 TG Epoxy are considerably less toxic than used in most structural epoxy formulations. However, it is recommended that the products be handled with due care and special clothing, rubber gloves and chemical goggles should be used.

Some people become sensitized when working with epoxy systems. The sensitization may appear in the form of skin or respiratory reactions. Avoid breathing vapors, particularly if these products are used in a confined area.

Air supplied mask is suitable for use in confined areas. Face mask with respirator #1224 is usually adequate.

Packaging

SeaShield 525 TG Epoxy
600 ml cartridges (A & B)

Storage

Cartridges shall be stored in temperatures between 65°F (18°) and 90°F (32°C) prior to use. For long term storage temperatures shall be 40°F (4°C) to 105°F (41°C).

Warranty

Manufacturer WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Bulletin when used in accordance with its directions. Manufacturer makes NO OTHER WARRANTY either expressed or implied. Buyer assumes all risk in handling.



The SeaShield 525 TG Epoxy manual cartridge gun, cartridge and static mixing tube.



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