TECHNICAL DATA SHEET

SeaShield™ FX-523 Epoxy Adhesive

Epoxy Adhesive for Spacers/Stand-offs

Description

SeaShield FX-523 Epoxy Adhesive is a two-component, 100% solids, thixotropic, flexible, non-sag adhesive formulated to bond spacers/stand-offs to fiberglass jackets and other construction materials.

Uses

- To bond spacer/stand-offs to the SeaShield Fiberglass jackets
- To bond common construction materials
- To bond dissimilar materials

Features

- Excellent adhesion to fiberglass
- Bonds well to most construction materials
- Thixotropic gel with no sag
- Suitable for saltwater marine applications
- Easily applied with trowel or putty knife
- Excellent abrasion resistance

Surface Prep

All surfaces must be sound, clean and free of all contaminants that could impair product adhesion or performance. Remove all oils, greases, dirt and wax solutions from surface. Surface must be at least 40°F (4°C) prior to application.

A. **Steel Surfaces**: The recommended method is to prepare the surface by abrasive blasting per SSPC-SP6/NACE 3 Commercial Blast with a 2-3 mil surface profile. Scraping and other manual means of surface preparation should be avoided since they tend to polish the surface.

B. **Concrete**: Concrete should be a minimum of 28 days old and fully cured prior to application. Prepare the surface by abrasive blasting per SSPC-SP13/ NACE 6, ICRI Guideline 310.2R CSP3.5.

C. **Masonry**: Prepare surface by abrasive blasting or other means to achieve a clean and sound surface.

D. **Fiberglass Jackets** : Fiberglass surface must be sound, clean and free of all contaminants that could impair product adhesion or performance. Roughen fiberglass by sanding on areas where spacer/stand-offs are to be adhered.

Premier™

Mixing

For best mixing & application, components shall be at a min. 70°F (21°C) prior to use. Do not prepare more material than can be used within the pot life of the product. Do not add thinner. Proportion components at a 1 Part A:1 Part B ratio by volume in a small container or flat cardboard. Mix components together thoroughly with a mixing stick for 2-3 minutes until a consistent color is achieved.

Application

Apply mixed SeaShield FX-523 Epoxy to the prepared surface or spacer/stand-off with a putty knife. Place materials together and secure them to prevent movement until fully cured. Immediately remove any excess material by solvent wiping with cotton clothes before the product cures.

Storage

Store in a dry, well-ventilated area between 40°F and 95°F (4°C and 35°C) in original, unopened containers. Shelf life is at least 24 months under these conditions. It is recommended that all components be stored between 68°F and 86°C (20°C and 30°C) for 24 hours prior to use for optimum pumping and productivity.

Cleaning

Clean tools, spills and drips from surfaces with Simple Green, MEK, acetone etc. Cured material can only be removed by mechanical means.

HSE

Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See the safety data sheet (SDS) for further information.

Packaging

Kit Size	Part A	Part B
2 qt. (1.9 L)	1 qt. (0.95 L)	1 qt. (0.95 L)

Note - Packaged 4 kits per case.

Tech Data

Properties	Imperial	*Metric*
Solids Content	100%	*100%*
Base Component – (Unmixed) @ 77°F (25°C)		
Viscosity	1,000,000 cps	*1,000,000 cps*
Color	Opaque/Clear	*Opaque/Clear*
Hardener – (Unmixed) @ 77°F (25°C)		
Viscosity	1,000,000 cps	*1,000,000 cps*
Color	Beige	*Beige*
Mixed Material @ 77°F (25°C)		
Viscosity	850,000 cps	*850,000 cps*
Color	Beige	*Beige*
Mixing Ratio (A/B) by Volume	1 parts Base:1 part Hardener	*1 parts Base:1 part Hardener*
Consistency (ASTM C881)	Non-sag	*Non-sag*
Gel Time	15 to 18 minutes	*15 to 18 minutes*
Tensile Strength (ASTM D63 @ 7days)	700 psi	*4.8 MPa*
Tensile Elongation (ASTM D63 @ 7days)	30%	*30%*
Pull-Off Adhesion (RT)	2587 psi	*17.8 MPa*
Product Yield	231 cubic in./US gal	*0.001 cubic dm/L*
Application Temperature	40°F to 125°F	*5°C to 52°C*
Service Temperature	-40°F to 150°F	*-40°C to 65°C*

Premier™
PREMIER COATINGS

HOUSTON:
9710 Telge Road,
Houston, Texas,
U.S.A. 77095
Tel: 281-821-3355
Fax: 281-821-0304

TORONTO:
90 Ironside Crescent,
Unit 12, Toronto,
Ontario, Canada M1X1M3
Tel: 416-291-3435
Fax: 416-291-0898

www.premcoatings.com

info@premcoatings.com

A Member of Winn & Coales International