



Forever Bond 50-570-10 Polyurea Protective Coating

DESCRIPTION

Forever Bond 50-570-10 is a two component, 1:1, 100% solids, fast set, liquid applied, polyurea coating/lining system for metal, concrete, fiberglass and wood surfaces for use as a protective coating.

FEATURES

- Seamless
- Tough and Elastomeric
- Good Chemical Resistance
- Low Temperature Flexibility
- Abrasion and Impact Resistant
- High Build
- Quick Drying

TYPICAL USES

- Secondary Containment Pits
- Encapsulation of Fiberglass
- Containment Areas
- Encapsulation of Fiberglass
- Earthen Containment when used with Geo-Textile Fabric
- Pump Bases
- Cargo liners
- Industrial Flooring

COLOR

Neutral or Black. Custom colors are available upon request.

PACKAGING

10 gallon kit: 5 gallons (47 lbs. net) Part-A and 5 gallons (43 lbs. net) Part-B.

104 gallon kit: 52 gallons (500 lbs. net) Part-A and 52 gallons (454 lbs. net) Part-B.

MIXING

Forever Bond 50-570-10 may not be thinned under any circumstances. Thoroughly mix Forever Bond 50-570-10 B-side base material with an air driven mixer for a minimum of 30 minutes to ensure even distribution of pigment and additives. Do not allow air to be incorporated into the product. Total suspension must be achieved. A-side Isocyanate requires no mixing.

COVERAGE

Forever Bond 50-570-10 may be applied at any rate to achieve desired thickness. Theoretical coverage per gallon is 1604 sq. ft. at 1 mil. Average thickness is 80mils minimum.

SURFACE PREPARATION

In general, coating performance and adhesion are directly proportional to surface preparation. All surfaces must be free of oil, grease, dirt and other contaminants.

PHYSICAL PROPERTIES

Tear Strength (pli)	ASTM D624	550
Tensile Strength (psi)	ASTM D638	3,100
Elongation	ASTM D638	570%
Hardness -Shore D	ASTM D2240	55
Abrasion -Taber CS18 (1000 rev. 1000gm wt., H-18 Wheel)	ASTM D4060	200
Gel Time	Time	10-12 Sec.
Mix Ratio	PBV	1:1

After surface preparation is complete, the surface must be clean and dust free.

Concrete: Remove all contaminants such as oil, grease, dirt, form oil residue, wax or any other contaminant prior to proceeding with surface preparation. The surface shall be free of voids, pot holes or bug holes, loose or weak concrete. Prepare concrete in accordance to SSPC-SP13/NACE No.6 or ICRI No. 310.2-1997 (formerly No. 03732). All surfaces shall be vacuumed cleaned upon completion of surface prep to remove dust prior to the application of primer. A primer is always recommended for concrete substrates so as to properly seal the surface to prevent pinholes and blowholes in the Forever Bond 55-125-10 containment. Voids, pot holes, bug holes or other surface defects shall be repaired using a polymer modified cementitious material.

Steel: Prepare steel substrates in accordance to SSPC-SP10 Near-White Blast, with a minimum surface profile of 4mils. All surfaces shall be free of all grease, oils, dust and other contaminants upon completion of surface preparation.

APPLICATION

Both Side-A and Side-B materials should be preconditioned at 75-80°F before application.

Forever Bond 55-125-10 Containment should be applied using plural component, heated, high pressure 1:1 spray equipment like Graco's E-XP2, or equivalent. Both Side-A and Side-B materials should be sprayed at material temperatures above 150°F. Adequate pressure and temperature should be maintained at all times during application.

STORAGE

Forever Bond 55-125-10 Containment has a shelf life of six (6) months from date of manufacture in original, factory sealed containers. Both Side-A and Side-B containers must be fitted with a desiccant device during use.

Avoid exposure to freezing temperatures for an extended period of time.

Store drums on wooden pallets to avoid direct contact with the ground.

If stored for a long period of time, rotate Side-A and Side-B drums regularly.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Coatings International, LLC. representative or visit our website for current technical data and instructions.

SAFETY PRECAUTIONS

This product is for industrial use only by professional applicators and is not intended or suitable for use in or around a household or residential property. Keep away from children and household items. This material contains polyisocyanates. Vapors and spray mist are harmful. Improper handling and use may be hazardous. At all times safety precautions must be strictly followed during storage, handling and application.

WARNING

Individuals with chronic respiratory problems or prior respiratory reactions to such materials should not be exposed to vapors. All personnel entering the application area, including the applicator must wear properly fitted, NIOSH/MSHA approved, fresh air positive pressure air respirators with a full face piece or an air supplied hood. Keep the material away from sparks, flash and open flames. Containers, even those that have been emptied, may contain dangerous and explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them.

LIMITED WARRANTY

Coatings International, LLC. warrants its products to be free of manufacturing defects and that they will meet Coatings International, LLC. current published physical properties. Coatings International, LLC. warrants that its products, when properly installed by a licensed applicator according to Coatings International, LLC. guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and Manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Coatings International, LLC. of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Coatings International, LLC. shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Coatings International, LLC. shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Coatings International, LLC. reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Coatings International, LLC. makes no claim that these tests or any other tests, accurately represent all environments.

Coatings International, LLC. • 1000 Johnson Ferry Road, Ste B-225 • Marietta, Ga. 30068 • P: 404-246-7663 • F: 770-509-2571 • www.coatingsinternationalllc.com

LIMITATIONS

Due to its aromatic composition, Forever Bond 55-125-10

Containment will tend to yellow or darken in color after exposure to UV light.

Forever Bond 55-125-10 Containment may be top coated with an approved aliphatic polyurethane coating for a color-fast glossy finish.

WARNING

This product contains isocyanate and curative material.