



HARDBOND™ Polyurea Basecoat

DESCRIPTION

HARDBOND™ Polyurea Basecoat is a high-solids two component Polyurea base coat designed for use as a stand alone system, flake, and quartz floors. It comes in a winter blend, summer blend and a tropical blend with excellent adhesion and its' low viscosity allows for fast turnaround of coating projects. It is durable for commercial and industrial flooring applications. It is a 2:1 mix ratio system with sufficient pot life to be rolled or squeegeed. It has an application window with ability to apply at low temperatures and high humidity.

Coverage and Packaging:

Theoretical coverage is 150-200 sq. /ft. per gallon at 8 mils of coating thickness. Packaging consists of Two Part "A" to One Part "B" for a total of 15 gallons.

PRIMARY APPLICATIONS:

- Garage floors
- Basement floors
- Aircraft hangar floors
- Dog kennels
- Maintenance facilities
- Industrial shop floors
- Bathrooms
- Showrooms
- Automotive shops
- Parking Decks

ADVANTAGES:

- Lower odor
- Cures at temperatures just above freezing
- Excellent color stability
- Excellent abrasion and impact resistance
- Micromedia traction additives can be introduced into the liquid system or dispersed into the top coat
- Available in clear (tintable), gray and tan.

TECHNICAL DATA

Recommended Thickness: Primer 8 mils (150-200 sq. ft. per gallon)

Shelf Life: 12 months in original unopened factory sealed containers. Keep away from extreme cold, heat or moisture. Keep out of direct sunlight and away from fire hazards.

Mix Ratio By Volume: A:B = 2:1

SURFACE PREPARATION

Old Concrete – Concrete surface must be clean, sand blasting, diamond grinder w//30 grit or coarse, or water blasting is highly recommended to remove surface contaminates. Any oils or fats must be removed prior to product application. Acid etching may be required (followed by a thorough rinsing) to open the pores of the concrete to accept a primer. Do not apply to wet substrates. Chloride, moisture, and pH levels should be checked prior to application.

New Concrete – The concrete should be allowed to cure for a minimum of 30 days. Compression resistance of concrete must be at least 25 MPa (3625 lbs/square inch) after 28 days and traction resistance must be at least 1.5 MPa (218 lbs/sq. inch). Sand blasting, diamond grinder w/30 grit or coarser or acid etching (followed by a thorough rinsing) is required to remove the surface laitance that appeared during the curing process. A primer or moisture barrier should be used to reduce out-gassing and promote adhesion.

MIXING:

Mix 2 part “A” to 1 part “B” into a clean pail using a Jiffy-type mixer carefully not to entrain air into the mix. Move mixer around in pail for 2 minutes to ensure proper mix of the “A” and “B” components. Only mix as much product as can be placed within 20 to 30 minutes of mixing depending on temperature. No induction time similar to epoxy mixtures is required prior to use. If media agents are to be incorporated, they are to be added after thoroughly mixing A and B. **WARNING:** Large masses of mixed and/or heated material will have a shorter pot-life. Do not apply in direct sunlight when temperatures and humidity are high.

APPLICATION:

Apply with either a ¼”, 3/8” nap roller or squeegee making sure the product does not puddle. Make sure to back roll in opposite direction for uniform product application. Small chip brushes or 6 – 8” wall edgers may be used along the perimeter and in more difficult to reach areas. Avoid creating puddles.

CURE TIMES:

	Summer 50-80°	Tropical 80°+	Winter <50°
Tack Free Time @70°	40-75 minutes	40-75 minutes	40-75 minutes
Dry	1-2 hours	1-2 hours	1-2 hours
Foot Traffic	1-2 hours	1-2 hours	1-2 hours
ReCoat	8 hours	8 hours	8 hours

CLEANING:

Clean all application equipment with a specified cleaner. Once the material hardens, it can only be removed mechanically. If the product splatters, wash thoroughly with hot soapy water.

STORAGE:

Store in a cool, dry, well ventilated area. Keep containers tightly closed and store away from heat, sparks, open flame or oxidizing materials. Extended storage at excessive temperatures may produce odorous and toxic fumes from product decomposition.

RESTRICTIONS:

- Minimum/Maximum temperature of substrate: 42 degrees F/ 86 degrees F (5 degrees C/30 degrees C)
- Maximum relative humidity during application and curing: 85%
- Substrate temperature must be 5.5 degrees F above dew point measured
- Humidity content of substrate must be <4% when coating is applied
- Do not apply on porous surfaces where a transfer of humidity may occur during application
- Protect from humidity, condensation and contact with water during the 24 hour initial curing period.

HEALTH AND SAFETY

Always wear proper safety equipment to protect eyes and skin. Keep a neat, clean mixing area to avoid potential safety issues. Make sure to read and understand all SDS sheets and become familiar with all application procedures and best practices. Recommended for use by professionals only! In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. For more information, consult the material safety data sheet.

Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation.

IMPORTANT NOTICE

All statements, recommendations and technical information contained in this document are accurate to the best knowledge of Allsource Supply Inc. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify suitability of this information for their own particular use, and to test this product before use. Allsource Supply assumes no legal responsibility for use upon these data. Allsource Supply assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage.

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