



HARDBOND™ Polyaspartic HS Winter Blend

DESCRIPTION

HARDBOND™ “Polyaspartic HS Winter Blend” is a high solids two component polyaspartic top coat designed for use over epoxies, flake, and quartz floors. It is not meant to go direct to concrete. It has a fast cure time with excellent adhesion and its’ low viscosity allows for fast turnaround of coating projects.

TECHNICAL DATA

Coverage: Theoretical coverage is 200 sq. /ft. per gallon at 8 mils of coating thickness.

Packaging: One Part “A” to One Part “B” for a total of 10 gallons.

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 should be used to reduce out-gassing and promote adhesion.

MIXING

Mix 1 parts “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.

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.

CURE TIME

Cure times vary on temperature conditions but typically are as little as 1 to 2 hours.

CLEANING:

Clean all tools and materials with the cleaner/thinner for epoxies. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

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!

STORAGE

Keep lids on all products when not in immediate use. Store products in proper containers and in temperature between 45° and 80° F. 1 year shelf life in unopened containers.

PHYSICAL CHARACTERISTICS

Appearance – Clear to slightly yellow. Dries clear.

SOLIDS	88%
VOC	1.28
GLOSS	>90
ELONGATION	9
TENSILE	5935
SHORE D	78
TABER	30
IMPACT	98
PENCIL HARD	2H
1/8" MANDREL	PASS
POT LIFE	20-30
TEAR	340

CHEMICAL RESISTANCE

- 0: No Discoloration/Corrosion
- 1: Minimal Discoloration/Corrosion
- 2: Fair Discoloration/Corrosion
- 3: Medium Discoloration/Corrosion
- 4: Heavy Discoloration/Corrosion

TECH DATA SHEET

5: Extreme Discoloration/Corrosion

	Discoloration				Corrosion			
	1 minute	15 minutes	1 hour	24 hours	1 minute	15 minutes	1 hour	24 hours
Ammonium Hydroxide ¹		0	0	0		0	0	0
Benzoic Acid		0	0	0		0	0	0
Bleach ²		0	0	0		0	0	0
Boric Acid ³		0	0	0		0	0	0
Caustic Potash ⁴		0	0	0		0	0	0
Coca-Cola®		0	0	0		0	0	0
Copper Sulfate ⁵		0	0	0		0	0	0
Cranberry Juice ⁶		0	0	0		0	0	0
Formaldehyde ⁷								
Hydrated Lime ⁸		0	0	0		0	0	0
Ketchup ⁹		0	0	0		0	0	0
Lactic Acid ¹⁰		0	0	0		0	1	2
Red Wine ¹¹		0	0	0		0	0	0
Trichloroethylene		0	0	-		5 (bubbling)	5 (bubbling)	-
Mustard ¹²		0	0	1		0	0	0
Oleic Acid ¹³		0	0	0		0	0	0
Sodium Bicarbonate		0	0	0		0	0	0
Heptane		0	0	0		0	0	0
Odorless Mineral Spirits		0	0	0		0	0	0
Aromatic SC-100		0	0	0		0	0	0
Toluene		0	0	0		0	0	0
Xylene		0	0	0		0	0	0

¹ Aqua Ammonia 26 Deg. Baume / NO DEPOSIT DRUMS

² up & up™ Concentrated Bleach, 8.25% NaOCl

³ Granular

⁴ 45% Liquid, Potassium Hydroxide

⁵ Medium Crystal

⁶ Pantry Cranberry Blend

⁷ Formaldehyde 37%—Methanol 11%

⁸ Mixture, Calcium Hydroxide

⁹ Heinz® Tomato Ketchup

¹⁰ 88% FCC-K

¹¹ Sutter Home, Merlot California (L075802-11)

¹² French's® Classic Yellow Mustard

¹³ Single-Distilled

TECH DATA SHEET

Methanol		0	0	0		0	0	0
Isopropyl Alcohol		0	0	0		0	0	0
n-butyl Acetate		0	0	0		0	0	0
Acetone		0	0	0		2	2	2
Methyl Ethyl Ketone		0	0	0		2 (bubbling)	2 (bubbling)	2 (bubbling)
Glacial Acetic Acid		0	0	-		0	3	-
Hydrochloric Acid	0	0			0	0		
Nitric Acid	3	5			1	4		
Phosphoric Acid ¹⁴	0	0			0	3		
Sulfuric Acid ¹⁵	0	5			1	5		

IMPORTANT NOTICE

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