

Technical Data

FGP Aspartic 85 (Fast Cure) LOW ODOR

Physical Properties

DESCRIPTION

Floorguard Products® FGP-Aspartic 85 Low Odor is a two component, 85% solids, solvent based polyaspartic aliphatic coating. **Aspartic 85** exhibits excellent abrasion and chemical resistance, is UV Stable, and has a beautiful gloss appearance. A major benefit of using **Aspartic 85 Low Odor** is the fast curing characteristic, but that it is low odor.

Recommended for:

Suitable for areas where installation down time is very limited and also for areas where odor may be an issue. **It is non hazmat, non corrosive, non flammable and has very mild odor.**

Considerations

- **Avoid applications on surfaces without effective vapor barriers.**
- **Surfaces must be sound and without contaminants**
- **Application Temperature 30-90°F with relative humidity below 90%**
- **Due to quick cure rate and dry time, it's suggested to thoroughly evaluate the product before using**

Chemical Resistance

Reagent	Rating
Acetic Acid-5%	C
Xylene	C
Mek	A
Ethyl Alcohol	B
Skydrol	C
50% Sodium Hydroxide	E
10% Sulfuric Acid	C
10% Hydrochloric Acid	C
1,1,1 trichloroethane	B
Methanol	B

A-not recommended, B-2 hour term splash spill,
C-8 hour term splash spill, D-72 hour immersion,
E-long term immersion

Solids by Weight	85% (±3%)
Solids Content, %vol	81% (±3%)
VOC	<160 grams per liter
Colors	Clear or Pigmented. See Floorguard Products® Color Chart
Recommended Film Thickness	3- 12 mils wet
Coverage per Gallon	130-600 ft ² per gallon
Packaging Information	3 gallon and 15 gallon kits 3 gal kit=2 gal part A (10.5#/gal-colors) or (8.75#/gal-clear) and 1 gallon part B (8.5#/gal. (weights and volumes approximate
Mix ratio	2 parts A to 1 part B by Volume
Abrasion Resistance	Taber abrasor CS-17 calibrase wheel with 1000g total load & 500 cycles= 20.0 mg loss
Shelf Life	6 months in unopened containers
Compressive Strength	12,000 psi@ ASTM D695
Finish Characteristics	Gloss >70 at 60 degrees
Tensile Strength	3,900 psi@ ASTM D638
Ultimate Elongation	2.4%
Hardness	Shore D = 80
DOT Classifications	Both Part A and Part B are NOT REGULATED
Viscosity	<1000 centipoise typical

Cure Schedule: (70°F)

Pot Life (150 gram mass) (actual usable working time is ~20-30 minutes)	30-60 minutes
Tack free (dry to touch)	1-3 Hours
Recoat or topcoat	2-4 Hours
Light foot traffic	5-7 Hours
Full Cure (Heavy Traffic)	24-48 Hours

Limitations

- Colors or gloss may be affected by high humidity, low temperatures, chemical exposure, or exposure to lighting such as sodium vapor lights.
- Installing product too thick may result in surface imperfections, bubbles, or product failure
- Do not expose this product to water until fully cured
- Substrate temperature must be 5°F above dew point
- All new concrete must be cured for at least 30 days
- Physical properties are typical values and not specifications
- Light or bright colors (white, safety yellow, etc. may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide
- Always apply a test patch to determine product suitability and adhesion performance for your proposed application method and procedures
- Colors may vary from batch to batch, therefore use only product from the same batch for an entire job.

MIXING AND APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION: Preparation methods may vary based on the system being applied. For a total system thickness exceeding 10 mils dry, a fine brush blast (shot blast) is recommended. To ensure a trouble-free bond, all dust, oil, dirt, foreign contaminants, and laitance must be removed. Perform a moisture test to confirm that the concrete has an adequate vapor barrier. To do this, place a 4'x4' plastic sheet on the substrate and tape down the edges. After 24 hours, if the substrate remains dry beneath the plastic sheet, it indicates no immediate signs of hydrostatic pressure problems. However, this test does not guarantee that future hydrostatic pressure issues will not occur.

PRODUCT STORAGE: Store the product in an area that allows it to reach room temperature before use. Maintain continuous storage between 60 and 90°F. Protect from freezing and excessive heat.

PRODUCT MIXING: This product requires a 2:1 mix ratio by volume—mix two gallons of Part A with one gallon of Part B. After combining, mix thoroughly with slow-speed mixing equipment until the material is uniform and streak-free. Avoid introducing air into the mixture, as improper mixing may lead to product failure. During hot weather, mix for only 30 seconds to prevent reduced working time. When adding pigment, incorporate it into Part A first, mix well, then combine 2 parts A to 1 part B and mix for up to 1 minute, adjusting for outside temperature.

PRODUCT APPLICATION: Use a flat squeegee to spread the product, then immediately back-roll with a 3/8" nap roller. Alternatively, you can dip and roll the product with a 3/8" nap roller cover. Maintain a wet edge to avoid roller marks. Direct sunlight or high temperatures may cause visible roller marks. Avoid applying the product too thickly to prevent solvent entrapment and potential failure. Relative humidity impacts curing; higher humidity accelerates drying and reduces working time, while lower humidity extends drying and working time. As a fast-curing product, ensure Aspartic 85 is back-rolled immediately after squeegeeing.

RECOAT OR TOPCOATING: Multiple coats are acceptable. Ensure all solvents have evaporated from the coating before recoating. Use the cure schedule as a guideline, but always test the coating before recoating or top coating. Press your thumb on the coating to check for a fingerprint impression; if none is visible, recoating can proceed. Colder temperatures require longer curing times before recoating. Ensure the floor is free of contaminants before coating. If contaminants or a blush are present, remove them with a standard detergent cleaner and ensure the floor is clean and dry before applying additional coats. It is also recommended to de-gloss the previous coat to ensure a good bond.

CLEANUP, FLOOR CLEANING, AND RESTRICTIONS: Use solvents for cleanup. When cleaning the floor, exercise caution as some cleaners may affect the color of the installed floor. Test each cleaner in a small area to check for damage. Restrict floor use to light traffic and non-harsh chemicals until fully cured; refer to the cure schedule. Allow the floor to remain completely dry during the curing process.

Warranty

Floorguard Products® warrants that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine suitability of our product for your particular purpose. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.