



diygaragefloors.com

PRODUCT DATA

Volumetric Ratio _____ 1 to 1
 Volumetric Solids _____ 85 %
 Coverage Over Flake _____
 _____ 150-160 sq ft/Gal @ 8 mil
 Coverage over smooth coating _____
 _____ 25 sq ft/Gal @ 8 mil
 Application Temperature _____ 40 - 100°F
 Thinning _____ None Required
 Color _____ Clear
 Pot Life _____ 10 – 15 min
 Working Time on Floor _____ 15 – 20 min
 Shelf life _____ 12 months
 USDA Food & Beverage _____ Meets Req.

CURE TIME

Light Traffic _____ 10 hours
 Critical Recoat _____ 10 hours

PACKAGING

1.5 Gallon Kit:

Part A _____ 0.75 gal
 Part B _____ 0.75 gal

CONTACT

PHONE _____ (425)888-5565
 WEBSITE _____ www.diygaragefloors.com
 EMAIL _____ info@diygaragefloors.com



PRODUCT DESCRIPTION

DIY GARAGE FLOORS DGF-400 Polyaspartic Odorless is the next generation of 2-component, fast drying, high-solids, aliphatic Polyaspartic. It is 4 times tougher and durable than epoxy. It has excellent resistance to a broad range of chemicals such as inorganic acids, alkalis, amines, salts and solvents. DIY Polyaspartic Odorless's formula provides non-yellowing and long-term gloss retention for interior/exterior applications. It is a low VOC, flexible system, low viscosity and easy to apply.

APPLICATIONS

Pharmaceutical	Clean Rooms	Veterinary Facilities
Food Prep/Kitchens	Auto Show Rooms	Locker Rooms
Garage Floors	Schools	Ramps
Restrooms	Laboratories	Health Care
Manufacturing Plants	Basements	Loading Docks
Aisle ways	Kennels	Car wash facilities

ADVANTAGES

- High Gloss (just like glass) & Build
- 4x more abrasion resistant than epoxy
- Non-yellowing
- Chemical, scratch abrasion resistant
- Low odor, Low VOC
- Easy mixing ratio (1:1)
- Solvent FREE
- Cure at temperatures just above Freezing
- Does not support growth of bacteria or fungus

AVAILABLE COLORS

Light Gray	Medium Gray	Dark Gray
White	Black	Tan
Beige	Mocha	Tile Red
Safety Red	Safety Blue	Safety Green
Safety Yellow		

TYPICAL PROPERTIES

PROPERTY	VALUE
Appearance	Clear Liquid
Total Solids (% by Weight)	85
Total Solids (% by Volume)	85
Surface Tension, Dynes/cm	40
Viscosity (Brookefield LVF), cps @ 25 degree C	600
Density (lbs/gallon)	8.32
Specific Gravity	1.0
Flash Point (C Pensky-Martens closed cup)	<70 degree F
Freeze/Thaw Stability	N/A
Thermal Stability (28 days @ 52 degree C)	No Effect



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Mechanical Stability	Good
VOC (g/l)	0
VOC (by Weight)	0
Tg (C)	66
Tensile Strength, psi	7000
Elongation	8%

FILM PROPERTIES

QUV WEATHEROMETER (ALCLAD ALUMINUM 1000 HRS)

PROPERTY	VALUE
Oxidation	No Effect
Loss of Gloss	Slight

PHYSICAL PERFORMANCE PROPERTIES OF DRY FILM.

All tests were conducted on 2.0 to 2.5 mil films, and air-dried for seven days at room temperature.

PROPERTY	VALUE
Hardness (Pencil/Sword)	2H/70
Taber Abrasion (mg loss per 1000 cycles, CS-17 wheel, 1000 load)	52
Impact Resistance (Direct/Reverse)	140/140 (lbs)
Crosshatch Adhesion (Untreated Cold Rolled Steel/Untreated Aluminum)	100% / 100%

CHEMICAL RESISTANCE 7-DAY SUBMERSION

PROPERTY	VALUE
Brake Fluid	No Effect
Transmission Fluid	Slight Discoloration
Coolant	No Effect
Power Steering Fluid	Slight Discoloration
Gasoline	No Effect
Battery Acid	Damaged
MEK	<200 Double Rubs
Acetone	<200 Double Rubs

CONCRETE PREPARATION

Before coating is applied, surface must be:

- Dry – No Wet areas
- Clean – Contaminants Removed
- Profiled – Surface Etched
- Sound – All cracks and spalled areas repaired

Mechanical preparation is the preferred method of preparing concrete for coating application. Preparation must be done by shot blasting or diamond grinding. Do not acid etch.

PATCHING

Voids, cracks and imperfections will be seen in finished coating if the concrete is not patched correctly. Patch concrete with DGF-700 Crack Repair. After patching material is cured, diamond grind patch. If another patching material is used, contact a DIY technical representative for a compatible and approved alternative.



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MOISTURE VAPOR EMISSIONS WARNING

All concrete floors without effective moisture vapor barrier are subject to possible moisture vapor transmission that may cause blistering and failure of the coating system. It is the applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine vapor emissions prior to applying any coating. DIY can supply moisture remediation products (Moisture Vapor Barrier). Sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

MIXING

The ratio of Polyaspartic Odorless is 1 Part A to 1 Part B by volume. Mix for 1 full minute using a slow speed drill, scraping the bottom and sides of the mixing container. Mix only that amount which can be spread in 30 minutes.

NOTE: NEVER APPLY POLYASPARTIC AT LESS THAN 150 SQ FT PER GALLON. IF YOU DO HAVE TO APPLY THAT THICK ALLOW A MINIMUM OF 72 HOURS TO CURE BEFORE RETURN TO SERVICE.

CLEAN UP

While in an un-reacted state, may be cleaned up with water and degreaser. Isopropyl alcohol or acetone may be needed once the resin begins hardening. Lastly, a strong solvent like methylene chloride may be required if resin is nearly set up.

WARRANTY

DIY GARAGE FLOORS products are warranted for 30 days after date of purchase. Please refer to the limited Material Warranty for additional clarification.

Disclaimer: All DIY GARAGE FLOORS products are manufactured with the finest raw materials. It is the applicator's responsibility to determine the appropriate use of the product. All recommendations and suggestions are made without guarantee, since the conditions of use are beyond our control.

HANDLING PRECAUTIONS

Use only with adequate ventilation. Appropriate cartridge-type application in confined areas. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip resistance on pedestrian surfaces. The current coefficient of friction required by the ADA is .6 on level surfaces and .8 on ramps. DIY GARAGE FLOORS recommends the use of angular slip resistant aggregate in all coatings or resin systems that may be exposed to wet, oily or greasy conditions.

CAUTION! PRODUCT IS EXTREMELY FLAMMABLE KEEP AWAY FROM OPEN FLAMES. KEEP OUT OF THE REACH OF CHILDREN.