



PRODUCT DATA

Volumetric Ratio _____ 2 to 1
Solids _____ 100% (+ or - 1%)
Coverage _____ 200-250 sq ft/gal at 8 mil
Application Temperature _____ 55- 90°F
Thinning _____ None Required
Pot Life _____ 10 – 15 min
Working Time on Floor _____ 20 – 30 min
Shelf life _____ 12 months
USDA Food & Beverage _____ Meets Req.

CURE TIME

Light Traffic _____ 8hours
Critical Recoat _____ 12 hours
Recoat time with Accelerator _____ 4 hours

PACKAGING

1.5 Gallon Kit:

Part A _____ 1.0 gal
Part B _____ 0.5 gal

CONTACT

PHONE _____ (425)888-5565
WEBSITE _____ www.diygaragefloors.com
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PRODUCT DESCRIPTION

DIY GARAGE FLOORS DGF-200 UV 100% Solids Epoxy is a VOC-compliant, high solids, 2-component and designed as a base coat for color flake (chip) flooring. This application can be applied to new and existing concrete. DIY UV 100% Solids Epoxy formula allows a typical floor to be installed within one day and provides excellent adhesion and hide to concrete in a single coat application. 100% Solids Epoxy withstands up to 9 lbs of Moisture Vapor Emissions. It adheres to damp or dry concrete and gives ample open time for broadcasting the color flakes (chips). Adding accelerator will speed up a dry time to as little as 2 hours.

APPLICATIONS

Garage Floors	Laboratories
Clean Rooms	Basements
Manufacturing facilities	Kennels
Automotive showrooms	Restrooms
Commercial kitchens	Locker rooms
Grocery Stores	Aisle ways

ADVANTAGES

- Essentially odorless
- Self-priming over properly prepared substrate
- Lifetime adhesion warranty
- VOC compliant
- High color stability
- Withstands up to 9 lbs of Moisture Vapor Emissions
- Chemical resistant
- Can be accelerated to dry in 2 hours
- Low viscosity

AVAILABLE COLORS

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

PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Compressive Strength	10,800 psi	ASTM C 695
Flexural Strength	11,700 psi	ATSM D 790
Tensile Strength	8,900 psi	ATSM D 638
Bond to Concrete	350 psi	ASTM D 4541 Concrete fails at this point
Taber Abrasion	75-80 Mgs	ASTM D 4060
Flammability	Self-extinguishing	
Hardness, Shore D	84	ASTM D 2240
Flash Point	>200 degree F	



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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.

REPAIR CRACKS

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.

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 DIY 100% Solids Epoxy is 2 to 1. That is, two parts A (resin) to one part B (hardener). Mix the following with a drill and mixing paddle. Note: If using a drill mixer, use a low speed (not to exceed 300 rpm) to prevent air entrapment.

1. Premix 1.0 Gal of Part A for 30-45 seconds.
2. Add 0.6 Gal of Part B and mix for another 60-90 seconds.
3. UV 100% Solids Epoxy is designed to be immediately poured on the floor. Leaving mixed product in the container will greatly reduce pot life. Once poured out on the floor, 20-30 minutes of working time can generally be expected.

CLEAN UP

While in an un-reacted state, may be cleaned up with hot 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.

APPLICATION INSTRUCTIONS

Application of DIY UV 100# Solids Epoxy for a nominal 8 to 16 mil coating system is applied in two coats and in one pass as a top coat. For estimation purposes, use 200 SF per gallon in either case.

1. Always apply in descending temperatures. Concrete is porous and traps air. In ascending temperatures (general mornings) the air expands and can cause out gassing in the coating. It is safer to apply coatings in the late afternoon, especially for exterior applications.
2. Optimum ambient temperature should be between 55-90 degrees F during application. Note: Cure times are affected by



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ambient and slab temperatures. Temperatures of 55 degree or lower can slow cure times. Temperatures of 86 degrees or higher will speed up working times.

- Mix 1 gal of UV 100% Solids Epoxy using the above mixing instructions.
- Apply approximately 200 SF per gallon (180 Sf per gallon for a top coat over Flake or Quartz systems) by immediately pouring out on a surface in a ribbon, while walking and pouring at the same time until bucket is empty.
- Using a squeegee on a pole, pull UV 100 % Solids Epoxy over substrate. As a first coat over bare concrete, pull resin as thin as possible while still wetting out concrete and uniformly covering surface. This allows trapped air to escape more easily. To apply in a single coat over an Industrial Epoxy system, pull at about 200 sq ft per gallon.
- Using a 3/8" non-shredding phenolic (plastic) core paint roller, roll coating forwards and backwards.
- Lastly, back roll in the opposite direction as step 6.
- Apply second coat by repeating steps 1-7 within 12 hours. Failure to recoat during this window may result in fish eyes. Always sand floor after 12 hours before recoat.

CHIP BROADCAST INSTRUCTIONS

- Following Step 6 above, Broadcast Color Chips (at 16 lbs per 100 sq ft.) by tossing them into the air and allowing them to gently rain own into the wet resin.
- For a random broadcast, use 1 lb chips per 100 sq ft.
- Allow to cure. Then scrape the basecoat with a drywall scraper in all directions. Vacuum small pieces and dust.
- Apply seal coat of DIY Polyaspartic Odorless at approximately 180 sq ft – 200 sq ft per gallon.

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.