

APPLICATION GUIDE



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FULL BROADCAST CHIP FLOOR

This document describes the application instructions for applying the DIY Garage Floors Full Broadcast Chip Floor Concrete Coating System using the following products from DIY Garage Floors.

REQUIRED PRODUCTS

DGF-200 Pigmented Epoxy

DGF-625 Paint Chips 25 lbs

DGF-400-Clear Polyaspartic 1.5 gallons

Coat	Product	ft ² /gal.	WFT
Base Coat	DGF-200 Pigmented Epoxy	200 ft ² /gal	6.3 mL
Broadcast	SF Paint Chips	200 ft ² /Box	
Top Coat	DGF-400-Clear Polyaspartic	133 ft ² /gal	12 mL

CONCRETE ASSESSMENT

Moisture Content:

A dry concrete slab is required for this system. Testing for moisture should be done with either a Calcium Chloride test. A Calcium Chloride test should have a moisture vapor transmission lower than 9 lbs./1000 ft²/24 hours. If the moisture content is higher than this reading please consult a professional.

Hardness:

A concrete slab of at least a minor hardness is required for this system. Test the concrete hardness with a Mohs Hardness Kit. The concrete should show a hardness of a 3 or higher to properly accept this system.

Other Conditions:

Concrete must be structurally sound, and reasonably free from oil, grease, silicones, and other contaminants. Green slabs must have cured for at least 28 days prior to coating.

Temperature: TEMPERATURE MUST BE ABOVE 55° FAHRENHEIT AND BELOW 95° FAHRENHEIT.

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PREPARATION

Choose the appropriate preparation method. Either the Grinderless Prime Coat Prep or the Grinder Prep. See the Application Guides for those systems.

MIXING INSTRUCTIONS FOR THE DGF-200 PIGMENTED EPOXY

1 Gallon DGF-200 Pigmented Epoxy A Side

1/2 Gallon DGF-200 Pigmented Epoxy B Side

Each kit of 1.5 gallons of DGF-200 Pigmented Epoxy comes in the correct quantities for 200 square feet. Mix the 1/2 gallon DGF-200 Pigmented Epoxy B Side into the A side in the bucket containing the A side. Mix the entire kit. Mix thoroughly for 1 minute with a power drill attachment. Then scrape both the bottom and sides of the container with a paint stir stick. Then mix with the power drill for another minute.

FOLLOW THESE MIXING INSTRUCTIONS EXACTLY. MISTAKES IN MIXING LEAD TO SOFT SPOTS RUINED PRODUCT!

APPLYING THE EPOXY

Ribbon & Squeegee:

Use the "Ribbon & Squeegee" method for spreading the DGF-200 Pigmented Epoxy.

IMMEDIATELY pour the contents of the bucket out on the floor in long ribbons. IF YOU LEAVE IT IN THE BUCKET FOR MORE THAN 7 MINUTES IT WILL GET HARD AND BE RUINED.

Spread the ribbons out using a squeegee so that the floor is entirely and evenly covered.

Evenly and carefully back roll the Epoxy that has been squeegeed out trying to work out any lines in the Epoxy. Use a 9-18 inch-long, 3/8" nap, non-shedding roller skin on a broom handle.

BROADCASTING THE PAINT CHIPS

Wear spike shoes for this process.

While the Prime coat is still wet broadcast the Vinyl Paint Chips onto the evenly spread DGF-200 Pigmented Epoxy. Do so evenly throughout the floor.

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Divide the paint chips into 4 equal parts. Take ¼ of the chips and starting on one side of the floor sprinkle the chips evenly over the entire garage. Then start on the opposite side and spread the next ¼ of the chips evenly across the entire garage floor. Do this again starting on the third side of the garage floor paying extra attention to light and bare spots. Now start on the last side of the garage and repeat the process.

NOT FOLLOWING THIS CORRECTLY MAY RESULT IN RUNNING OUT OF CHIPS BEFORE FINISHING THE FLOOR.

Let cure overnight.

SCRAPING

Using a 12" putty knife on the end of a broom handle evenly scrape the floor in three directions. North South, East West, and Diagonally. The better job you do of scraping the better your floor will turn out.

MIXING THE DGF-400-CLEAR POLYASPARTIC TOP COAT

For edging mix 6 ounces of A and 6 ounces of B.

For the main part of the floor pour the remainder of the DGF-400-Clear Polyaspartic B side into the 2-gallon bucket of A side. Mix thoroughly with a paint stir stick for 60 seconds. Scrape the bottoms and the sides of bucket and stir for another 60 seconds.

APPLY THE POLYASPARTIC

Using a chip brush apply the 12 ounces of mixed Polyaspartic to the edge 2 or 3 inches of floor.

Then mix the remainder of the Polyaspartics.

Apply the DGF-400-Clear Polyaspartic Top Coat using the dip and roll method. Pour the mixed Polyaspartics into a paint pan for use with an 18-inch wide roller. Dip your 18-inch roller on a broom stick into the mixed Polyaspartics and roll on the side of the pan to wet the roller. Then roll the Polyaspartics out evenly over 4 square feet. Then move onto the next 4 square foot section and repeat the process until the floor is covered. Keep an eye on the amount of Polyaspartics in the pan varying the amount laid down so that you used the entire pan full over 200 to 250 square feet of floor.

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When you have finished applying the Polyaspartics to the floor back roll it. Start in the back of the garage and pull your roller behind you along the back wall. Now go back in the other direction so that your roller cuts the last roller line in half. Keep doing this evenly until the entire floor is back rolled.

Work quickly as the Polyaspartics will start to cure and set up. Once they set up it is over and you can't soften them up.

RECOAT WINDOW

ALL COATS MUST BE LAID DOWN WITHIN 24 HOURS OF THE PREVIOUS COAT.

CLEANUP OF DGF-200 PIGMENTED EPOXY

Use Acetone for cleanup.

CLEANUP OF DGF-400 CLEAR POLYASPARTIC

Use Acetone for cleanup.