# FloorGrain® Professional Grade Slip Resistance Additive for Paints and Coatings – Benefits and Uses

## WHAT IS FLOORGRAIN®?

FloorGrain® is made from 100% virgin high molecular weight polyethylene (HMWPE) plastic. It is not your typical polyethylene plastic material.

The high molecular weight makes it unique by offering extreme durability and high abrasion resistance, which eliminates the possibility of any fractured particles that can cause premature wear on the surface of the coating. This means a much longer life for the particle and the coating. Unlike many other slip resistant additives, FloorGrain will remain suspended in the resin and will not fall out to the bottom of the bucket or rapidly float to the top quickly during the application process. In addition, HMWPE has very good resistance to oils, solvents, and chemicals. FloorGrain® can be used in areas that require FDA compliance such as food manufacturing floors, kitchen floors and other clean surfaces.

## AVAILABLE PARTICLE SIZES

| Grade | Grit | Mesh | Micron | Mil | Package Size |
|---|---|---|---|---|---|
| Fine | ~100 | 100 | 145 | 6 | 50 lb bag |
| Medium | ~60 | 50 | 275 | 11 | 50 lb bag |
| Large | ~46 | 40 | 425 | 17 | 40 lb bag |
| Extra Large | ~36 | 30 | 600 | 24 | 35 lb bag |

## BENEFITS AND FEATURES

- Improves Slip and Fall Safety
- Especially Effective for Slippery Top Coatings like Polyaspartics
- Improves Tire Traction for Forklifts and Other Vehicles
- Eliminates Tire Squeal
- Smooth Rounded Shape Makes for an Easily Cleaned Surface
- Meets FDA Regulation Guidelines for Food Contact
- Very Broad Chemical Resistance
- Translucent Particles Maintain Coating Color and Clarity
- Exhibits Extreme Toughness & Durability
- Easily Dispersed in Paints / Coatings and Remains Suspended Due to Its Low Density
- Highly Uniform Surface Topography in the Coating
- Extended Wear Life of Sealer Compared to Sharp Angular Quartz/Sand/ Aluminum Oxide which Fractures and Prematurely Wears the Surface



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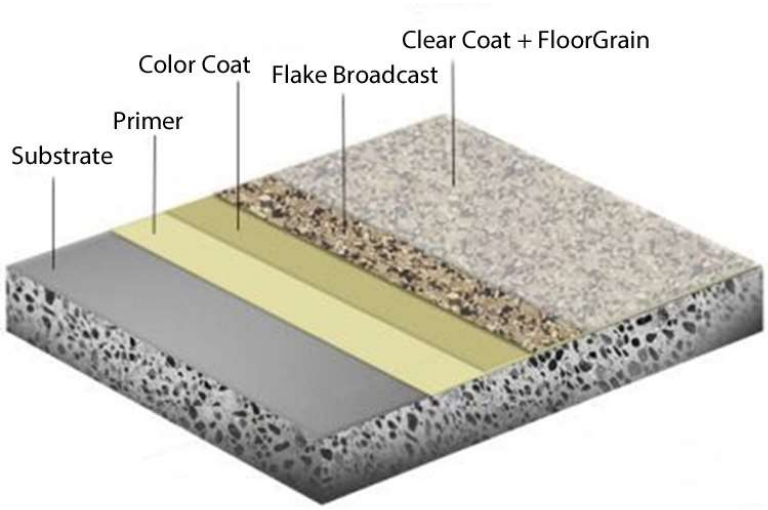


## SLIP RESISTANCE

All particle sizes may be used for slip resistance. Choose from FloorGrain® Fine to Extra Large particle size for your preferred level of aggressiveness. The most popular grades are Medium and Large for slip resistance.

## REMOVE TIRE SQUEAL

FloorGrain® Medium, Large or Extra Large are recommended for removing tire squeal from a coating. Tire squeal is caused by trapped air between the tire and a smooth top coating. **Higher FloorGrain® dosage and larger particle size create ridges that lift the tires from the smooth base.** These ridges allow trapped air between the tire and the base to escape thereby eliminating the loud squeal of tires. It's magic!



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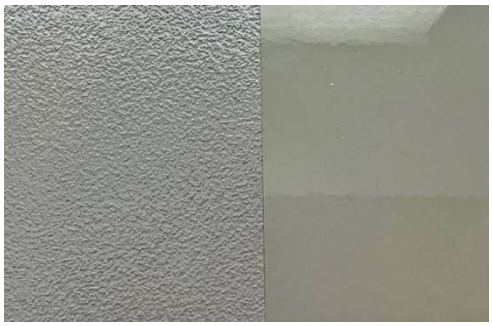
## MATTE FINISH

FloorGrain® Fine or Medium particle size is recommended for achieving a matte coating finish. Choose particle size and dosage for your preferred level of matte finish.



## RECOMMENDED DOSAGE BY APPLICATION

Dosage amounts are recommended starting points and should be adjusted to your preference and application needs. Recommended starting points are general guidelines only and testing should be performed for your specific coating and application.

| Grade | Applications | Dosage (Ounces/Gal) 8oz = 1cup | 2nd Topcoat |
|---|---|---|---|
| Fine | Slip Resistance<br>Matte Finish | 6oz-16oz | Not necessary |
| Medium | Slip Resistance<br>Matte Finish<br>Tire Squeal | 8oz-18oz | Optional |
| Large | Slip Resistance<br>Tire Squeal | 12oz-22oz | **Optional** |
| Extra large | Slip Resistance<br>Tire Squeal | 14oz-24oz | Recommended |

## USEFUL APPLICATIONS

- Garage Floors
- Parking Garages
- Industrial Floors
- Stadiums
- Commercial Kitchens
- Warehouses
- Healthcare Facilities
- Stairs
- Ramps
- Any concrete surfaces that require enhanced slip resistance, matte finish, or elimination of tire squeal.



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## INSTALATION INSTRUCTIONS

1. For the best results, it is recommended that FloorGrain® be **added to a low viscosity topcoat resin.**
2. Mix FloorGrain® slip resistance additive into the low viscosity topcoat with a paint mixer. Mix well. FloorGrain® additive will remain suspended in the resin without additional mixing for an extended period.
3. FloorGrain® dosage is based on user preference. Refer to Recommended Dosage by Application chart for starting point.
4. The topcoat containing FloorGrain® particles should be approximately ½ the thikcness of the particle size used. **Example A:** FloorGrain Large average particle size is 425 micron (17 mil). Therefore, a topcoat thickness of about 9 mil would be ideal. **Example B**: Extra Large particle size is 600 micron (24 mil). Therefore, a topcoat thickness of about 12 mil would be ideal. A second low viscosity topcoat may be necessary to build the proper thickness for ideal particle containment and foot grip.
5. **For tire squeal applications**, use approximately double the FloorGrain® dosage compared to simple slip resistance. Adjust as necessary.
6. Topcoat mixture containing FloorGrain® may be applied using squeegee, roller, a combination of the two or an industrial sprayer for large volume surface area such as parking garages or stadiums. Call for our recommendations for an industrial sprayer.

** Application results may vary depending on resins and methods. It is important to always test prior to project use.



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