Powder Coatings

# FAQ: Non-Skid Coatings

### Does PPG offer any powder coatings with non-skid properties suitable for floor coatings?

Currently, PPG does not offer powder coatings specifically formulated or tested for non-skid properties intended for floor coatings. While some PPG textured powders have occasionally been applied in areas such as flooring, ramps, stairs and ladders, these products were not designed or evaluated to meet the rigorous requirements of non-skid performance. For projects requiring non-skid coatings, a detailed scope and application review involving sales, product management and marketing teams would be necessary before considering any potential solutions.

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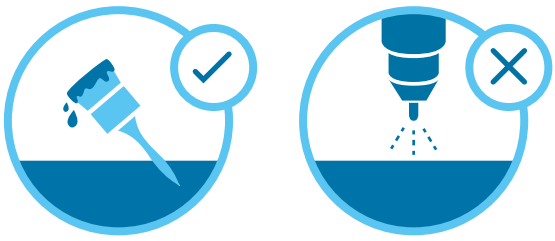
### What types of coatings are typically used for non-skid applications?

Non-skid coatings are most commonly formulated as liquid paints rather than powders. These coatings incorporate rough, abrasive materials to provide the necessary friction and slip resistance, often exceeding the texture achievable with powder coatings. The manufacturing process for powder coatings imposes strict limitations on particle size due to the need for efficient electrostatic spray application and transport, which restricts the inclusion of large, protrusive particles.

In high-traffic environments, durability is a critical concern. Non-skid properties must be maintained over time despite surface abrasion. Liquid non-skid coatings typically achieve this by embedding large (approximately 10-20 mil or 250-500 micron), hard and protrusive additives such as sand, glass or ceramic beads, plastic granules or crushed nutshells. These materials provide sustained friction but are generally incompatible with standard powder coating manufacturing processes, which limits the feasibility of producing powder coatings with comparable non-skid performance.





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