



Resin Sand (Black Sand) TDS

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Disclaimer: In view of the limitations of the additive and sand functions and the diversity of user requirements, please strictly test the applicability of the sand and the stability of the final product according to your own requirements before use. The above information is for reference only, and our company does not make legal guarantees or bear any legal responsibilities.

1. Product Basic Information

Item	Details
Product Name	Resin Sand (Black Sand)
Product Type	Resin-coated modified black sand, used in coatings, flooring and other systems
Main Components	Natural black sand, epoxy resin, modifier, dispersant, color powder (suitable for black)
Appearance	Black uniform particles, no caking, no obvious variegation, uniform particle size and pure color
Particle Size	80-120 mesh (customizable according to requirements)

2. Product Features and Uses

- Uniform particles, good fluidity, easy to disperse, excellent compatibility with epoxy resin, coatings and other systems, without affecting the curing effect and mechanical properties of the system.
- The surface is modified by resin coating, with strong adhesion, not easy to fall off and sand after laying, excellent wear resistance, compression resistance and impact resistance, and prolongs the service life of the floor.
- The black sand has uniform and pure color, sun-resistant, not easy to fade, strong decorativeness, can create a calm and grand appearance effect, good covering power, and can cover slight defects of the base course.
- Acid and alkali resistant, oil resistant, anti-aging, suitable for industrial workshops, parking lots and other scenes with serious wear and pollution.

3. Core Technical Parameters

Test Item	Technical Index
Particle Size	80-120 mesh
Blackness	≥90% (uniform color, no variegation)
Moisture Content	≤0.5%
Bulk Density	1.6-1.8g/cm ³
Shelf Life	12 months (sealed, stored in cool and dry place)

4. Application Scope

Mainly used for epoxy resin wear-resistant flooring, non-slip flooring, industrial workshop flooring, parking lot flooring, and also for coatings, mortar, handicraft filling, landscape decoration, etc. It is suitable for scenes with high requirements on wear resistance and covering power, and needs a calm appearance.

5. Recommended Dosage

Adjust according to construction thickness and requirements. The conventional dosage is 30%-60% of the total amount of floor coating (mass ratio); when used for coating filling, the dosage is 20%-40% of the total amount of coating, which can be adjusted according to the actual effect.

6. Precautions

- The product is packed in sealed woven bags. Please confirm that the packaging is intact before use to avoid moisture, pollution and color powder falling off.
- Store in a cool, dry and well-ventilated warehouse, away from moisture, fire sources and heat sources, avoid mixing with acid and alkali substances to prevent caking and fading.
- The sand needs to be fully stirred evenly before use. If there is slight caking, it can be gently crushed for use, which does not affect the product performance and color.
- During construction, it is necessary to cooperate with a suitable resin system to ensure that the sand is fully combined with the resin and improve adhesion; avoid mixing with light-colored materials to prevent dyeing.

7. Common Problems and Solutions

Common Problems	Solutions
Sand Caking	Slight caking can be crushed for use; if the caking is serious, it is caused by moisture, and it is recommended to replace the sand.
Color Fading or Color Powder Falling Off	Check whether the storage environment is dry and well-ventilated; avoid mixing with acid and alkali substances; ensure full stirring during construction to enhance the adhesion of color powder.
Sanding and Falling Off After Laying	Increase the amount of resin to ensure that the sand is fully coated; clean the base course before construction to improve the adhesion of the base course.
Dyeing of Light-colored Materials	Avoid mixing with light-colored materials during construction; if necessary, conduct small-batch compatibility tests in advance.