



Resin Sand (White 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 (White Sand)
Product Type	Resin-coated modified white sand, used in coatings, flooring and other systems
Main Components	Natural white sand, epoxy resin, modifier, dispersant
Appearance	White uniform particles, no caking, no obvious impurities, uniform particle size
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 of the system.
- The surface is modified by resin coating, with strong adhesion, not easy to fall off and sand after laying, which can significantly improve the wear resistance and compression resistance of the floor and coating.
- The white sand has pure color, high whiteness and strong decorativeness, which can be used in scenes with high requirements on appearance and color, and has both decorativeness and functionality.
- Acid and alkali resistant, wear resistant, anti-aging, not easy to discolor, and can maintain good appearance and performance after long-term use.

3. Core Technical Parameters

Test Item	Technical Index
Particle Size	80-120 mesh
Whiteness	≥85%
Moisture Content	≤0.5%
Bulk Density	1.5-1.7g/cm ³
Shelf Life	12 months (sealed, stored in cool and dry place)

4. Application Scope

Mainly used for epoxy resin flooring, wear-resistant flooring, non-slip flooring, artistic flooring, and also for coatings, putty, mortar, handicraft filling, etc. It is suitable for shopping malls, hospitals, schools, workshops, parking lots and other scenes with requirements on appearance and wear resistance.

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 and pollution.
- 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.
- 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.
- 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.

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.
Poor Compatibility with Resin	Check whether the resin system is compatible, conduct small-batch tests first, and adjust the stirring time to ensure full dispersion.
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.