



Silicone Hydrophobic Powder (SHP)

Revision version : 001

Date of revision : 15-Dec-2024

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Product Category	<ul style="list-style-type: none"> ● Silicone Hydrophobic Powder ● Water-proofing Agent for Cement Admixture & Gypsum
Application	<ul style="list-style-type: none"> ● Water proofing cement on rooftop ● Exterior skim coat ● Functional cement for swimming pool or water prone areas
Key Function(s)	<ul style="list-style-type: none"> ● Extend shelf life of concrete structure ● Reduce damage due to water aggression ● Reduce chance of algae, mold, mildew growth in cement structure ● Lengthen physical properties of cement structure

Silicone hydrophobic powder for construction is a type of powder that contains silicone-based compounds designed to impart water-repellent (hydrophobic) properties to materials used in construction. When applied to construction materials, this powder forms a protective barrier that prevents water penetration, reducing the risk of damage from moisture, mold, mildew, and corrosion. It is commonly used to treat various building materials such as concrete, brick, stone, wood, and plaster.

Key Features and Benefits:

1. **Water Resistance:** The main benefit of silicone hydrophobic powder is its ability to make surfaces resistant to water absorption. This helps to protect against water damage, efflorescence (salt deposits), and weathering over time.
2. **Durability:** When applied correctly, the silicone-based treatment can last for a long period, offering long-term protection without the need for frequent reapplication.
3. **Breathability:** Unlike some waterproofing agents, silicone hydrophobic powders typically allow for breathability. This means they can prevent water from penetrating while still allowing moisture vapor to escape, which is important for preventing trapped moisture inside materials.
4. **Application:** It is generally mixed into or applied as a surface treatment for concrete, masonry, and other porous materials. This powder can be incorporated into building materials during manufacturing or added as a post-treatment to existing structures.
5. **Improved Structural Integrity:** By reducing water penetration, silicone hydrophobic powder helps to maintain the strength of building materials, especially those that might otherwise degrade from prolonged exposure to moisture.
6. **Prevents Mold and Mildew Growth:** By reducing water exposure, the powder also limits the conditions where mold and mildew thrive, contributing to healthier indoor environments.

For more information of product



Website : www.s-unity.com

Common Applications:

- **Concrete & Gypsum:** To prevent moisture infiltration, especially in foundations and basements.
- **Masonry and Bricks:** To protect against water absorption and stains.
- **Wood:** To reduce the risk of rot and swelling from water exposure.
- **Exterior Paints and Coatings:** Silicone hydrophobic powders can be mixed into paints to enhance their water resistance.

In summary, silicone hydrophobic powder is a useful material in construction for enhancing the water resistance of various building components, helping to prolong the life of structures and reduce maintenance costs.

Stellar Unity will work with you by our expertise and specialist from our manufacturer and our technician can provide formulation and usage guidelines suitable for your final and desirable formulations. Moreover, there is the latest version of silicone hydrophobic powder (SHP), waterproofing agent, for gypsum based plaster as well.



For more information of product



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